

From: Jeanne Tarvin <jtarvin@ramboll.com>
Sent: Friday, September 03, 2021 11:54 AM
To: McKnight, Kevin - DNR; Tom Nordgren
Cc: Paul Lindquist; Susan Petrofske; Hudson Green; Jones, Kristin
Subject: Results Notification - Former Mirro Plant No. 20 (BRRTS 02-08-520157/06-08-426946)
Attachments: 02-08-520157_NR 716.14 Data Transmittal_August 2021-GW and Vapor.pdf
Importance: High

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Kevin and Tom,

Attached for your records is a copy of the data transmittal letter for the baseline groundwater sampling and vapor sampling activities completed at the Former Mirro Plant No. 20 facility (BRRTS #02-08-520157 [ERP]/#06-08-426946 [VPLE]) located at 44 Walnut Street in Chilton, WI in August 2021. Please note, a copy of the letter and attachments has been uploaded to the WDNR RR Program Submission Portal. If you would like a physical copy of the data transmittal letter and attachments, please let us know and one can be sent via post.

Kind regards, Jeanne

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Sent Via E-Mail

Mr. Kevin McKnight
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
625 E. County Y, Suite 700
Oshkosh, WI 54901-9731

Mr. Thomas R. Nordgren
Floor Space Development, LLC
3896 Big Sky Drive
Pulaski, WI 54162

**NR 716.14 DATA TRANSMITTAL
BASELINE GROUNDWATER AND VAPOR SAMPLING RESULTS
FORMER MIRRO PLANT NO. 20 SITE
44 WALNUT STREET, MANITOWOC, WISCONSIN
BRRTS NOS. 02-08-520157 (ERP) AND 06-08-426946 (VPLE)**

September 3, 2021

Dear Mr. McKnight and Mr. Nordgren:

Ramboll US Consulting, Inc. (Ramboll), on behalf of Newell Operating Company (NOC), is providing the Wisconsin Department of Natural Resources (WDNR) and the current property owner with the attached analytical results from sampling activities conducted during August 2021 at the former Mirro Plant No. 20 facility (the "facility" or "site"). The following results are attached for your records.

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Baseline Groundwater Sampling Results (August 3, 2021)

Groundwater analytical results from the August 3, 2021 baseline groundwater sampling event are provided in Attachment A. The groundwater sampling was performed in accordance with the WDNR approved Site Investigation Work Plan (Ramboll, March 2021).

Ref. 1690019558

Groundwater samples were collected from the existing on-site and off-site monitoring wells (twelve monitoring locations and four piezometers) associated with NOC's prior investigation activities, and the two wells installed on behalf of the WDNR in 2015 (OMPZ3 and OMPZ4). All groundwater samples were analyzed for VOCs, PFAS (WI 33 Compound List), and eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). In addition, the groundwater sample collected from basement well B-9 was also analyzed for polychlorinated biphenyls (PCBs). Attachment A includes a copy of the laboratory analytical report and data table showing only those compounds detected. A figure showing the groundwater sampling locations is also included.

Vapor Sampling Results (August 6, 2021)

Basement interior and sub-slab vapor sample analytical results from the August 6, 2021 sampling event are provided in Attachment B. Please note that the August 6th

vapor sample results were previously provided to you via e-mail on August 13, 2021, and subsequently discussed with the WDNR Project Manager, Kevin McKnight, on August 27, 2021.

Consistent with the scope of work described in our August 4, 2021 e-mail to the WDNR, three indoor air (8-hr) samples (IA-B-1, IA-B-2, and IA-B-3) were collected from the basement level. In addition, four sub-slab vapor samples (VP-1 through VP-4) were collected from the machine shop (slab on grade portion of the first floor). Attachment B includes a copy of the previously provided laboratory analytical report and data table. Figures showing air sampling locations on the first floor and basement levels are also included.

These site investigation activities, along with the additional items outlined in the Work Plan, will be formally documented in the Wisconsin Administrative Code NR 716 Site Investigation Report planned for early 2022.

If you have any questions or require additional information, feel free to contact the undersigned or NOC representative Hudson Green (hgreen@patriotenviro.com, 610-323-4634).

Sincerely,

Ramboll US Consulting, Inc.



Susan Petrofske
Senior Managing Consultant

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Jeanne Tarvin, PG, CPG
Managing Principal

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cc: Kristin Jones, NOC
Hudson Green, Patriot

ATTACHMENT A

BASELINE GROUNDWATER SAMPLING RESULTS

Table 1: Detected Groundwater Analytical Results – Baseline Groundwater Sampling Event

Figure 1: Site Layout and Existing Monitoring Well Network

Laboratory Analytical Report (Eurofins TestAmerica)

Table 1. Detected Groundwater Analytical Results - Baseline Groundwater Sampling Event

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

DRAFT

Sample Location	Sample Date	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	Metal	Metal	Metal	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS	PFAS		
		Benzene	Toluene	1,1,1-Trichloroethane	1,2-Dichloroethane	Chloromethane	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Arsenic, Dissolved	Barium, Dissolved	Selenium, Dissolved	PFAS (6) ¹	PFOS & PFOA ²	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	6:2 Fluorotelomer sulfonic acid	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluoroheptanesulfonic Acid (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluoropentanesulfonic acid (PFPeS)	Perfluoropentanoic acid (PFPeA)
Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	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	
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
<i>USEPA Groundwater HAL*:</i>		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	70	70	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
WI Groundwater ES*:		5	800	200	5	30	70	5	100	5	0.2	10	2,000	50	20	20	20	NS	450,000	10,000	300	NS	NS	40	150,000	30	NS	NS	
<i>WI Groundwater PAL*:</i>		<i>0.5</i>	<i>160</i>	<i>40</i>	<i>0.5</i>	<i>3</i>	<i>7</i>	<i>0.5</i>	<i>20</i>	<i>0.5</i>	<i>0.02</i>	<i>1</i>	<i>400</i>	<i>10</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>NS</i>	<i>90,000</i>	<i>2,000</i>	<i>60</i>	<i>NS</i>	<i>NS</i>	<i>4</i>	<i>30,000</i>	<i>3</i>	<i>NS</i>	<i>NS</i>	
B-5	08/03/2021	<0.15	0.18 J	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	0.71 J	75	1.6 J	<1.20	<0.78	<0.49	<0.78	<2.3	0.92 J	<2.2	<0.28	<0.17	<0.23	1.1 J	<0.53	<0.25	<0.27	<0.45
B-5A	08/03/2021	<0.15	0.15 J	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	0.91 J	50	1.1 J	10.00	10.0	8.9	1.1 J	<2.4	1.1 J	6.1	<0.29	<0.18	0.26 J	1.5 J	0.70 J	<0.26	<0.28	0.55 J
B-6	08/03/2021	<0.15	0.16 J	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	0.93 J	35	1.6 J	17.30	17.3	16	1.3 J	<2.3	1.2 J	6.4	0.38 J	0.47 J	0.47 J	1.7 J	1.1 J	<0.25	<0.27	1.0 J
B-9	08/03/2021	<0.15	<0.15	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	1.0	45	1.5 J	3.00	3.0	3.0	<0.78	<2.3	1.0 J	<2.2	<0.28	<0.17	<0.23	1.5 J	0.57 J	<0.25	<0.28	<0.45
B-11	08/03/2021	<0.15	0.15 J	<0.38	<0.39	<0.32	4.9	<0.37	<0.35	0.31 J	<0.20	1.9	140	1.4 J	0.85	0.85	0.85 J	<0.73	<2.2	1.1 J	<2.1	0.29 J	<0.16	<0.22	1.2 J	<0.50	<0.23	<0.26	<0.42
B-12	08/03/2021	<0.15	0.16 J	<0.38	<0.39	0.49 J	5.1	2.7	1.0	5.5	0.22 J	3.7	94	2.4 J	6.60	6.6	1.6 J	5.0	<2.3	0.88 J	<2.2	0.28 J	<0.17	<0.23	2.6	0.57 J	<0.24	<0.27	<0.44
MW-1	08/03/2021	<0.15	<0.15	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	1.4	58	1.5 J	0.61	0.61	0.61 J	<0.84	<2.5	0.62 J	<2.4	<0.31	<0.19	<0.25	1.4 J	<0.57	<0.27	<0.30	<0.49
MW-2	08/03/2021	<0.15	0.15 J	<0.38	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	1.8	49	1.2 J	1.10	1.10	1.1 J	<0.78	<2.3	0.70 J	<2.2	0.33 J	<0.17	<0.23	1.5 J	<0.53	<0.25	<0.28	<0.45
MW-5	08/03/2021	<0.15	0.15 J	<0.38	0.56 J	<0.32	5.4	<0.37	<0.35	<0.16	<0.20	1.2	65	1.7 J	4.50	4.5	3.0	1.5 J	<2.2	0.67 J	2.3 J	<0.27	<0.16	0.41 J	0.81 J	0.51 J	0.27 J	<0.26	0.70 J
MW-8	08/03/2021	<0.15	<0.15	<0.38	<0.39	<0.32	100	15	1.7	8.5	3.2	0.82 J	100	1.9 J	6.50	6.5	2.4	4.1	<2.2	1.0 J	<2.1	0.33 J	<0.17	0.27 J	3.9	0.69 J	<0.24	<0.27	<0.44
MW-9	08/03/2021	<0.15	0.16 J	2.0	<0.39	<0.32	<0.41	<0.37	<0.35	<0.16	<0.20	0.71 J	75	4.1	58.8	58.8	55	3.8	<2.3	1.2 J	<2.2	<0.29	0.38 J	0.42 J	15	0.95 J	<0.25	0.41 J	0.49 J
MW-10	08/03/2021	<0.15	0.16 J	<0.38	27	<0.32	5.5	<0.37	<0.35	<0.16	0.74 J	2.5	63	1.5 J	0.65	0.65	0.65 J	<0.79	<2.3	<0.19	<2.2	<0.29	<0.18	<0.23	<0.53	<0.54	<0.25	<0.28	<0.45
OMPZ-3	08/03/2021	<0.15	0.18 J	<0.38	<0.39	<0.32	120	8.8	6.9	7.9	<0.20	0.95 J	79	1.7 J	0.53	0.53	0.53 J	<0.82	4.5 J	1.0 J	<2.3	<0.30	<0.18	1.1 J	0.93 J	4.5 J	<0.26	<0.29	9.1
OMPZ-3 DUP	08/03/2021	<0.15	0.16 J	<0.38	<0.39	<0.32	110	8.4	6.5	7.6	<0.20	0.86 J	81	1.4 J	<1.20	<0.80	<0.51	<0.80	4.2 J	1.2 J	<2.3	<0.29	<0.18	1.1 J	0.81 J	3.8	<0.26	<0.28	9.5
OMPZ-4	08/03/2021	<0.15	0.15 J	<0.38	0.85 J	<0.32	<0.41	<0.37	<0.35	0.19 J	<0.20	0.70 J	35	1.5 J	<1.20	<0.75	<0.48	<0.75	<2.2	<0.18	<2.1	<0.28	<0.17	<0.22	<0.51	<0.51	<0.24	<0.27	<0.44
PZ-5	08/03/2021	<0.15	0.17 J	<0.38	1.0	<0.32	<0.41	<0.37	<0.35	1.2	<0.20	1.8	70	1.7 J	<1.20	<0.80	<0.51	<0.80	<2.4	0.20 J	<2.3	<0.29	<0.18	<0.24	<0.54	<0.55	<0.25	<0.28	<0.46
PZ-5 DUP	08/03/2021	<0.15	0.17 J	<0.38	0.91 J	<0.32	<0.41	<0.37	<0.35	1.2	<0.20	1.6	67	1.4 J	<1.20	<0.75	<0.48	<0.75	<2.2	0.23 J	<2.1	<0.28	<0.17	<0.22	0.59 J	<0.51	<0.24	<0.27	<0.43
PZ-8	08/03/2021	<0.15	0.15 J	<0.38	<0.39	<0.32	21	<0.37	0.76 J	<0.16	<0.20	1.1	110	1.6 J	0.66	0.66	0.66 J	<0.77	<2.3	0.88 J	<2.2	<0.28	<0.17	<0.23	0.84 J	<0.53	<0.25	<0.27	<0.44
PZ-9	08/03/2021	<0.15	<0.15	<0.38	<0.39	<0.32	33	130	0.64 J	59	<0.20	0.92 J	120	1.5 J	4.20	4.2	2.3	1.9	<2.4	<0.19	3.5 J	0.40 J	<0.18	1.3 J	<0.54	1.6 J	0.63 J	<0.28	2.9
PZ-10	08/03/2021	0.24 J	0.23 J	<0.38	89	<0.32	21	<0.37	0.55 J	0.23 J	1.3	0.44 J	32	2.0 J	<1.20	<0.77	<0.49	<0.77	<2.3	<0.18	<2.2	<0.28	<0.17	<0.23	<0.52	<0.53	<0.25	<0.27	0.55 J
Total Number of Samples:		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Number of Detections:		1	15	1	5	1	9	4	6	8	4	18	18	18	14	14	14	7	1	14	4	6	2	7	13	9	2	1	7
Min:		0.24	0.15	2	0.56	0.49	4.9	2.7	0.55	0.19	0.22	0.44	32	1.1	0.53	0.53	0.53	1.1	4.5	0.2	2.3	0.28	0.38	0.26	0.81	0.51	0.27	0.41	0.49
Max:		0.24	0.23	2	89	0.49	120	130	6.5	59	3.2	18	140	4.1	58.8	58.8	55	5	4.5	1.2	6.4	0.4	0.47	1.3	15	4.5	0.63	0.41	9.1
USEPA Groundwater HAL:		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	70	70	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Exceedances for USEPA GW HAL:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater ES:		5	800	200	5	30	70	5	100	5	0.2	10	2,000	50	20	NS	20	20	NS	450,000	10,000	300	NS	NS	40	150,000	30	NS	NS
Exceedances for WI Groundwater ES:		0	0	0	2	0	2	3	0	4	4	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:		0.5	160	40	0.5	3	7	0.5	20	0.5	0.02	1	400	10	2	NS	2	2	NS	90,000	2,000	60	NS	NS	4	30,000	3	NS	NS
Exceedances for WI Groundwater PAL:		0	0	0	5	0	6	4	0	5	4	9	0	0	8	0	7	3	0	0	0	0	0	1	0	0	0	0	0

[O:MGP 8/25/21, C:SGW 8/26/21]

Notes:

Samples analyzed for VOCs, RCRA metals, and PFAS. Only detected compounds are shown.
 Monitoring location B-9 was analyzed for PCBs. No PCBs were detected.

<i>Italics</i>	exceeds USEPA Groundwater HAL
Bold	attains or exceeds Proposed WI Groundwater ES
<u>Underlined</u>	attains or exceeds Proposed WI Groundwater PAL
Gray Text	analyte not detected

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

Results & Flags:

< = Concentration is less than the Limit of Detection (LOD)
 J = Estimated concentration
 NS = No Screening Level

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

Acronyms:

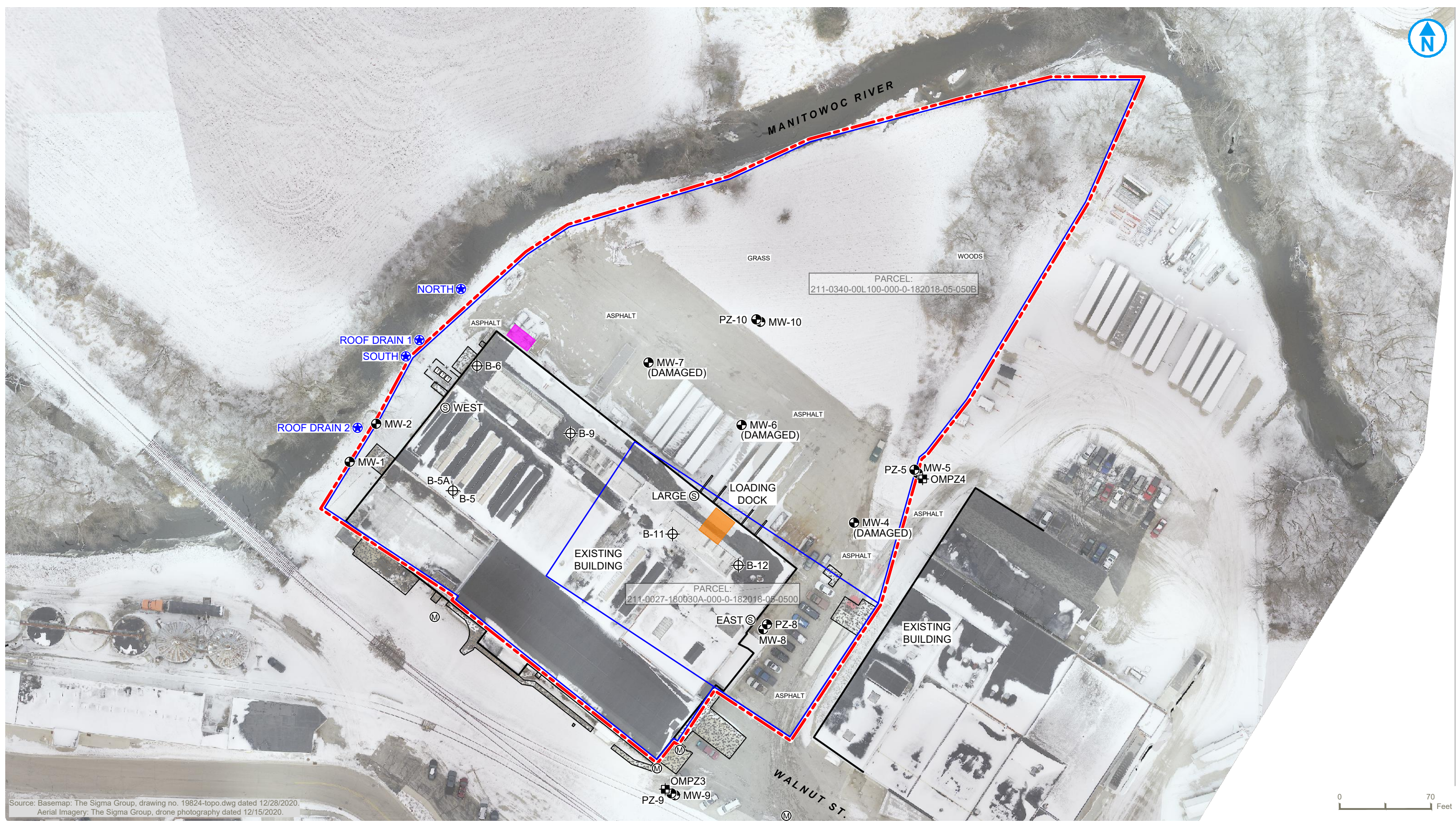
µg/L = micrograms per liter
 BRRTS = Bureau for Remediation and Redevelopment Tracking System
 DHS = Department of Health Services
 DUP = Quality Control Field Duplicate Sample
 ES = Enforcement Standard
 FID = facility identification number
 HAL = Health Advisory Level
 ng/L = nanograms per liter
 PAL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

Superscripts:

- PFAS (6) were calculated by Ramboll as follows:
 - Where detections were observed, only the detected results were added together for the total summation.
 - Where no detections were observed, the highest level of detection is presented as the sum
 - Analytes used for the calculation are NetFOSA, NetFOSAA, NetFOSE, FOSA, PFOS, and PFOA as identified in the "11th Cycle of Groundwater Standard Proposals" published on Nov 6, 2020 by the WI DHS.
- PFOS & PFOA was calculated by Ramboll as follows:
 - Where detections were observed, only the detected results were added together for the total summation.
 - Where no detections were observed, the highest level of detection is presented as the sum
 - Analytes used for the calculation are PFOS, and PFOA as identified in the "10th Cycle of Groundwater Standard Proposals" published on June 21, 2019 by the WI DHS.

***Screening Levels:**

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2021.
 PAL and ES from WI Administrative Code NR 140 groundwater quality standard are proposed for PFAS compounds as part of Cycle 10 and Cycle 11 submitted to the WI DHS.
 USEPA Health Advisory Limits are non-enforceable and non-regulatory, established in 2016.



Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: The Sigma Group, drone photography dated 12/15/2020.

LEGEND

- - - PROPERTY BOUNDARY
- PARCEL BOUNDARY
- ⊕ GROUNDWATER MONITORING WELL
- ⊕ TEMPORARY MONITORING WELL
- ⊕ PIEZOMETER INSTALLED BY OMNNI/WDNR
- ⊙ SUMP PIT
- ⊕ MANHOLE
- ⊕ OUTFALL
- ⊕ TRANSFORMER
- x — CHAIN LINK FENCE
- CONCRETE AREA
- APPROXIMATE LOCATION OF MINERAL SPIRITS USTs REMOVED IN OCTOBER 1990 (CLOSED BRRTS 09-08-294564)
- APPROXIMATE LOCATION OF FORMER FUEL USTs ABANDONED IN PLACE IN JANUARY 1996 (CLOSED BRRTS 09-08-292322)

SITE LAYOUT AND EXISTING MONITORING WELL NETWORK

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

FIGURE 1

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



ANALYTICAL REPORT

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

Laboratory Job ID: 500-203366-1

Client Project/Site: Former Mirro 20 - Chilton 1690019558
Revision: 2

For:

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

Attn: Duncan Glasford



Authorized for release by:
8/26/2021 6:04:17 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

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

Job ID: 500-203366-1

Job ID: 500-203366-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-203366-1

Comments

Revised Report: Sample ID updated to FB-02 for sample 23.
Revised Report: Total Metals updated to dissolved per client.

Receipt

The samples were received on 8/5/2021 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.3° C.

Receipt Exceptions

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): Sample #12 container label on VOCs list ID as "MW-5A" with time of 0745 while COC list "B-5A". Logged per COC

The following sample(s) was received at the laboratory outside the required temperature criteria: Cooler received out of temp at 10.4C. No temp blank was provided. Water only in cooler indicates ice melted en route to lab. PZ-8 (500-203366-17), OMPZ-3 (500-203366-18) and OMPZ-3 DUP (500-203366-19).

GC/MS VOA

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

GC Semi VOA

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

Metals

Method 6020A: The low level continuing calibration verification (CCVL) at line 114, associated with batch 500-613754 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

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

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. (CCB 320-514536/15)

Method 537 (modified): The transition mass ratio for the target analyte, Perfluorohexanoic acid (PFHxA) was outside of the established ratio limit. The target analyte meets control limits, there is no impact to the data. (CCVL 320-515915/2)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. OMPZ-3 (500-203366-18) and OMPZ-3 DUP (500-203366-19)

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-514062. 320-514062 Method: PFC_IDA_WI Matrix: Water

Method 3535: The following samples are yellow and contain a thin layer of sediment at the bottom of the bottle prior to extraction: PZ-10 (500-203366-4), MW-10 (500-203366-5) and MW-5 (500-203366-8). preparation batch 320-514062 Method: PFC_IDA_WI Matrix: Water

Method 3535: The following sample was a cloudy orange prior to extraction: PZ-5 (500-203366-6). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Case Narrative

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

Job ID: 500-203366-1

Job ID: 500-203366-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method 3535: The following samples were yellow prior to extraction: B-5 (500-203366-1), B-11 (500-203366-3), PZ-10 (500-203366-4), MW-10 (500-203366-5) and PZ-5 DUP (500-203366-7). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Method 3535: The following samples had black particulates prior to extraction: MW-8 (500-203366-10[MS]) and MW-8 (500-203366-10[MSD]). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-515852. PFC_IDA_WI Water

Method 3535: The following sample was yellow prior to extraction: PZ-8 (500-203366-17). preparation batch 320-515852 PFC_IDA_WI Water

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

Narrative

Job Narrative 500-203366-2

Comments

Dissolved metals added by client.



Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.92	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Arsenic	0.71	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	75		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	6.4		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.1	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.47	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.47	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	0.93	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.9		1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.31	J	0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorodecanoic acid (PFDA)	0.29	J	1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.85	J	1.7	0.47	ng/L	1		537 (modified)	Total/NA
Arsenic	1.9	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	140		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-10

Lab Sample ID: 500-203366-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.24	J	0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	89		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.23	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.55	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	0.23	J	0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.3		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.55	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Arsenic	0.44	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	32		2.5	0.73	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: PZ-10 (Continued)

Lab Sample ID: 500-203366-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	2.0	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-10

Lab Sample ID: 500-203366-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	27		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Vinyl chloride	0.74	J	1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.65	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	2.5	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	63		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.0		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.20	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Arsenic	18	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	70		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5 DUP

Lab Sample ID: 500-203366-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.91	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.23	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.59	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	16	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	67		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-5

Lab Sample ID: 500-203366-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.4		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.56	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.3	J	4.3	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.70	J	1.7	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.51	J	1.7	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.41	J	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.5	J	1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.27	J	1.7	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.67	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.7	0.47	ng/L	1		537 (modified)	Total/NA
Arsenic	1.2	B	1.0	0.23	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: MW-5 (Continued)

Lab Sample ID: 500-203366-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	65		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-4

Lab Sample ID: 500-203366-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.85	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.19	J	0.50	0.16	ug/L	1		8260B	Total/NA
Arsenic	0.70	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-8

Lab Sample ID: 500-203366-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	15		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	8.5		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	3.2		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorohexanoic acid (PFHxA)	0.69	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.27	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.1		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.33	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		1.8	0.48	ng/L	1		537 (modified)	Total/NA
Arsenic	0.82	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	100		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.9	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: EB-01

Lab Sample ID: 500-203366-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.7	J	5.0	2.1	ug/L	1		8260B	Total/NA
Chloroform	1.0	J	2.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.63		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.23	J	1.0	0.22	ug/L	1		8260B	Total/NA
Arsenic	1.8	B	1.0	0.23	ug/L	1		6020A	Dissolved
Selenium	2.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-5A

Lab Sample ID: 500-203366-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	6.1		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.55	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.70	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.1	J	1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: B-5A (Continued)

Lab Sample ID: 500-203366-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	8.9		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.91	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	50		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.1	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.57	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	1.0	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	45		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.49	J	1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	51		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.7		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	5.5		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.22	J	1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorohexanoic acid (PFHxA)	0.57	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.0		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.28	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.88	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.6		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	3.7	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	94		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	2.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-2

Lab Sample ID: 500-203366-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorodecanoic acid (PFDA)	0.33	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.70	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	1.8	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	49		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.2	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-1

Lab Sample ID: 500-203366-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: MW-1 (Continued)

Lab Sample ID: 500-203366-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.61	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
Arsenic	1.4	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	58		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-8

Lab Sample ID: 500-203366-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.76	J	1.0	0.35	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.88	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.84	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.66	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	1.1	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	110		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	120		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.8		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.9		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.9		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	9.1		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.5	I	1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.93	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.53	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.5	J	4.8	2.4	ng/L	1		537 (modified)	Total/NA
Arsenic	0.95	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	79		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-3 DUP

Lab Sample ID: 500-203366-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.4		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.5		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.6		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	9.5		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J I	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.2	J	4.7	2.4	ng/L	1		537 (modified)	Total/NA
Arsenic	0.86	J B	1.0	0.23	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP (Continued)

Lab Sample ID: 500-203366-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	81		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-9

Lab Sample ID: 500-203366-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	33		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	130		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.64	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	59		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	3.5	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.9		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.6	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.3	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.63	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.40	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.92	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	120		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-9

Lab Sample ID: 500-203366-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.0		1.0	0.38	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.49	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.95	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.42	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.41	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.38	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	55		1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.71	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	75		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	4.1		2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: EB-02

Lab Sample ID: 500-203366-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.5	J	5.0	2.1	ug/L	1		8260B	Total/NA
Chloroform	0.73	J	2.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.34	J	0.50	0.15	ug/L	1		8260B	Total/NA
Arsenic	0.44	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: FB-02

Lab Sample ID: 500-203366-23

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

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

Job ID: 500-203366-1

Client Sample ID: FB-01

Lab Sample ID: 500-203366-24

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-203366-25

No Detections.

- 1
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

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

Job ID: 500-203366-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Sample Summary

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

Job ID: 500-203366-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-203366-1	B-5	Water	08/03/21 07:45	08/05/21 09:45
500-203366-2	B-6	Water	08/03/21 08:45	08/05/21 09:45
500-203366-3	B-11	Water	08/03/21 09:35	08/05/21 09:45
500-203366-4	PZ-10	Water	08/03/21 11:50	08/05/21 09:45
500-203366-5	MW-10	Water	08/03/21 12:35	08/05/21 09:45
500-203366-6	PZ-5	Water	08/03/21 13:30	08/05/21 09:45
500-203366-7	PZ-5 DUP	Water	08/03/21 13:30	08/05/21 09:45
500-203366-8	MW-5	Water	08/03/21 14:20	08/05/21 09:45
500-203366-9	OMPZ-4	Water	08/03/21 15:20	08/05/21 09:45
500-203366-10	MW-8	Water	08/03/21 16:20	08/05/21 09:45
500-203366-11	EB-01	Water	08/03/21 17:15	08/05/21 09:45
500-203366-12	B-5A	Water	08/03/21 07:45	08/05/21 09:45
500-203366-13	B-9	Water	08/03/21 08:55	08/05/21 09:45
500-203366-14	B-12	Water	08/03/21 10:00	08/05/21 09:45
500-203366-15	MW-2	Water	08/03/21 11:25	08/05/21 09:45
500-203366-16	MW-1	Water	08/03/21 12:15	08/05/21 09:45
500-203366-17	PZ-8	Water	08/03/21 13:35	08/05/21 09:45
500-203366-18	OMPZ-3	Water	08/03/21 15:00	08/05/21 09:45
500-203366-19	OMPZ-3 DUP	Water	08/03/21 15:00	08/05/21 09:45
500-203366-20	PZ-9	Water	08/03/21 16:00	08/05/21 09:45
500-203366-21	MW-9	Water	08/03/21 16:50	08/05/21 09:45
500-203366-22	EB-02	Water	08/03/21 17:15	08/05/21 09:45
500-203366-23	FB-02	Water	08/03/21 17:20	08/05/21 09:45
500-203366-24	FB-01	Water	08/03/21 17:00	08/05/21 09:45
500-203366-25	TRIP BLANK	Water	08/03/21 00:00	08/05/21 09:45



Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:48	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:48	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:48	1
Toluene	0.18 J		0.50	0.15	ug/L			08/13/21 13:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/21 13:48	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/21 13:48	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/13/21 13:48	1
Toluene-d8 (Surr)	98		75 - 120		08/13/21 13:48	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorobutanesulfonic acid (PFBS)	0.92 J		1.8	0.18	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorohexanesulfonic acid (PFHxS)	1.1 J		1.8	0.52	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 18:06	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 18:06	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 18:06	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:06	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:06	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 18:06	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 18:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 18:06	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 18:06	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:06	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C5 PFPeA	95		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 PFHxA	90		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C4 PFHpA	102		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C4 PFOA	92		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C5 PFNA	97		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 PFDA	107		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 PFUnA	91		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 PFDoA	85		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 PFTeDA	99		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C3 PFBS	105		25 - 150				08/09/21 05:29	08/13/21 18:06	1
18O2 PFHxS	94		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C4 PFOS	88		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C8 FOSA	96		10 - 150				08/09/21 05:29	08/13/21 18:06	1
d3-NMeFOSAA	87		25 - 150				08/09/21 05:29	08/13/21 18:06	1
d5-NEtFOSAA	89		25 - 150				08/09/21 05:29	08/13/21 18:06	1
d-N-MeFOSA-M	82		10 - 150				08/09/21 05:29	08/13/21 18:06	1
d-N-EtFOSA-M	75		10 - 150				08/09/21 05:29	08/13/21 18:06	1
d7-N-MeFOSE-M	77		10 - 150				08/09/21 05:29	08/13/21 18:06	1
d9-N-EtFOSE-M	80		10 - 150				08/09/21 05:29	08/13/21 18:06	1
M2-4:2 FTS	96		25 - 150				08/09/21 05:29	08/13/21 18:06	1
M2-6:2 FTS	103		25 - 150				08/09/21 05:29	08/13/21 18:06	1
M2-8:2 FTS	99		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C3 HFPO-DA	97		25 - 150				08/09/21 05:29	08/13/21 18:06	1
13C2 10:2 FTS	98		25 - 150				08/09/21 05:29	08/13/21 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.71	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:17	1
Barium	75		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:17	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:17	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:17	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:17	1
Selenium	1.6	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:40	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:09	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Date Collected: 08/03/21 08:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:13	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:13	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:13	1
Toluene	0.16 J		0.50	0.15	ug/L			08/13/21 14:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Date Collected: 08/03/21 08:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/21 14:13	1
Dibromofluoromethane (Surr)	92		75 - 120		08/13/21 14:13	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/13/21 14:13	1
Toluene-d8 (Surr)	97		75 - 120		08/13/21 14:13	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.4		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.45	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorohexanoic acid (PFHxA)	1.1	J	1.8	0.53	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroheptanoic acid (PFHpA)	0.47	J	1.8	0.23	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanoic acid (PFOA)	1.3	J	1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorodecanoic acid (PFDA)	0.38	J	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroheptanesulfonic acid (PFHpS)	0.47	J	1.8	0.17	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanesulfonic acid (PFOS)	16		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 18:15	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 18:15	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 18:15	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Date Collected: 08/03/21 08:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:15	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:15	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 18:15	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 18:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 18:15	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 18:15	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:15	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C5 PFPeA	87		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 PFHxA	89		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C4 PFHpA	93		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C4 PFOA	94		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C5 PFNA	95		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 PFDA	96		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 PFUnA	82		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 PFDoA	76		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 PFTeDA	75		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C3 PFBS	102		25 - 150	08/09/21 05:29	08/13/21 18:15	1
18O2 PFHxS	91		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C4 PFOS	85		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C8 FOSA	91		10 - 150	08/09/21 05:29	08/13/21 18:15	1
d3-NMeFOSAA	78		25 - 150	08/09/21 05:29	08/13/21 18:15	1
d5-NEtFOSAA	88		25 - 150	08/09/21 05:29	08/13/21 18:15	1
d-N-MeFOSA-M	73		10 - 150	08/09/21 05:29	08/13/21 18:15	1
d-N-EtFOSA-M	66		10 - 150	08/09/21 05:29	08/13/21 18:15	1
d7-N-MeFOSE-M	67		10 - 150	08/09/21 05:29	08/13/21 18:15	1
d9-N-EtFOSE-M	71		10 - 150	08/09/21 05:29	08/13/21 18:15	1
M2-4:2 FTS	114		25 - 150	08/09/21 05:29	08/13/21 18:15	1
M2-6:2 FTS	142		25 - 150	08/09/21 05:29	08/13/21 18:15	1
M2-8:2 FTS	121		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C3 HFPO-DA	92		25 - 150	08/09/21 05:29	08/13/21 18:15	1
13C2 10:2 FTS	97		25 - 150	08/09/21 05:29	08/13/21 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.93	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:21	1
Barium	35		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:21	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:21	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:21	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:21	1
Selenium	1.6	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:43	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Date Collected: 08/03/21 09:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:38	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:38	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:38	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:38	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:38	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1
cis-1,2-Dichloroethene	4.9		1.0	0.41	ug/L			08/13/21 14:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:38	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:38	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:38	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:38	1
Toluene	0.15 J		0.50	0.15	ug/L			08/13/21 14:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Date Collected: 08/03/21 09:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1
Trichloroethene	0.31	J	0.50	0.16	ug/L			08/13/21 14:38	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124					08/13/21 14:38	1
Dibromofluoromethane (Surr)	91		75 - 120					08/13/21 14:38	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126					08/13/21 14:38	1
Toluene-d8 (Surr)	96		75 - 120					08/13/21 14:38	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorodecanoic acid (PFDA)	0.29	J	1.7	0.27	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.7	0.17	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.7	0.49	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanesulfonic acid (PFOS)	0.85	J	1.7	0.47	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSA	<0.75		1.7	0.75	ng/L		08/09/21 05:29	08/13/21 18:24	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/09/21 05:29	08/13/21 18:24	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/09/21 05:29	08/13/21 18:24	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Date Collected: 08/03/21 09:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSE	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 18:24	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 18:24	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/09/21 05:29	08/13/21 18:24	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/09/21 05:29	08/13/21 18:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/09/21 05:29	08/13/21 18:24	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 18:24	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 18:24	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 18:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C5 PFPeA	92		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 PFHxA	90		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C4 PFHpA	99		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C4 PFOA	95		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C5 PFNA	95		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 PFDA	103		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 PFUnA	96		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 PFDoA	89		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 PFTeDA	100		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C3 PFBS	108		25 - 150				08/09/21 05:29	08/13/21 18:24	1
18O2 PFHxS	95		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C4 PFOS	92		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C8 FOSA	99		10 - 150				08/09/21 05:29	08/13/21 18:24	1
d3-NMeFOSAA	86		25 - 150				08/09/21 05:29	08/13/21 18:24	1
d5-NEtFOSAA	89		25 - 150				08/09/21 05:29	08/13/21 18:24	1
d-N-MeFOSA-M	84		10 - 150				08/09/21 05:29	08/13/21 18:24	1
d-N-EtFOSA-M	77		10 - 150				08/09/21 05:29	08/13/21 18:24	1
d7-N-MeFOSE-M	72		10 - 150				08/09/21 05:29	08/13/21 18:24	1
d9-N-EtFOSE-M	87		10 - 150				08/09/21 05:29	08/13/21 18:24	1
M2-4:2 FTS	98		25 - 150				08/09/21 05:29	08/13/21 18:24	1
M2-6:2 FTS	107		25 - 150				08/09/21 05:29	08/13/21 18:24	1
M2-8:2 FTS	104		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C3 HFPO-DA	95		25 - 150				08/09/21 05:29	08/13/21 18:24	1
13C2 10:2 FTS	103		25 - 150				08/09/21 05:29	08/13/21 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:24	1
Barium	140		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:24	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:24	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:24	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:24	1
Selenium	1.4	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:46	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-10
Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.24	J	0.50	0.15	ug/L			08/13/21 15:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:03	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:03	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:03	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:03	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:03	1
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L			08/13/21 15:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:03	1
1,2-Dichloroethane	89		1.0	0.39	ug/L			08/13/21 15:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:03	1
Toluene	0.23	J	0.50	0.15	ug/L			08/13/21 15:03	1
trans-1,2-Dichloroethene	0.55	J	1.0	0.35	ug/L			08/13/21 15:03	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-10
Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:03	1
Trichloroethene	0.23	J	0.50	0.16	ug/L			08/13/21 15:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:03	1
Vinyl chloride	1.3		1.0	0.20	ug/L			08/13/21 15:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124					08/13/21 15:03	1
Dibromofluoromethane (Surr)	92		75 - 120					08/13/21 15:03	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126					08/13/21 15:03	1
Toluene-d8 (Surr)	97		75 - 120					08/13/21 15:03	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoropentanoic acid (PFPeA)	0.55	J	1.8	0.44	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/06/21 20:10	08/09/21 16:16	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 16:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-10
Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.5	2.3	ng/L		08/06/21 20:10	08/09/21 16:16	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/06/21 20:10	08/09/21 16:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/06/21 20:10	08/09/21 16:16	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/06/21 20:10	08/09/21 16:16	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 16:16	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 16:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C5 PFPeA	85		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 PFHxA	88		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C4 PFHpA	90		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C4 PFOA	90		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C5 PFNA	87		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 PFDA	95		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 PFUnA	88		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 PFDoA	80		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 PFTeDA	99		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C3 PFBS	84		25 - 150				08/06/21 20:10	08/09/21 16:16	1
18O2 PFHxS	85		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C4 PFOS	80		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C8 FOSA	86		10 - 150				08/06/21 20:10	08/09/21 16:16	1
d3-NMeFOSAA	76		25 - 150				08/06/21 20:10	08/09/21 16:16	1
d5-NEtFOSAA	84		25 - 150				08/06/21 20:10	08/09/21 16:16	1
d-N-MeFOSA-M	75		10 - 150				08/06/21 20:10	08/09/21 16:16	1
d-N-EtFOSA-M	71		10 - 150				08/06/21 20:10	08/09/21 16:16	1
d7-N-MeFOSE-M	76		10 - 150				08/06/21 20:10	08/09/21 16:16	1
d9-N-EtFOSE-M	76		10 - 150				08/06/21 20:10	08/09/21 16:16	1
M2-4:2 FTS	104		25 - 150				08/06/21 20:10	08/09/21 16:16	1
M2-6:2 FTS	117		25 - 150				08/06/21 20:10	08/09/21 16:16	1
M2-8:2 FTS	105		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C3 HFPO-DA	90		25 - 150				08/06/21 20:10	08/09/21 16:16	1
13C2 10:2 FTS	94		25 - 150				08/06/21 20:10	08/09/21 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.44	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:27	1
Barium	32		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:27	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:27	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:27	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:27	1
Selenium	2.0	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:49	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:15	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-10

Lab Sample ID: 500-203366-5

Date Collected: 08/03/21 12:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:27	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:27	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1
cis-1,2-Dichloroethene	5.5		1.0	0.41	ug/L			08/13/21 15:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:27	1
1,2-Dichloroethane	27		1.0	0.39	ug/L			08/13/21 15:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:27	1
Toluene	0.16 J		0.50	0.15	ug/L			08/13/21 15:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-10
Date Collected: 08/03/21 12:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 15:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:27	1
Vinyl chloride	0.74	J	1.0	0.20	ug/L			08/13/21 15:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:27	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124			08/13/21 15:27	1
Dibromofluoromethane (Surr)	91		75 - 120			08/13/21 15:27	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126			08/13/21 15:27	1
Toluene-d8 (Surr)	96		75 - 120			08/13/21 15:27	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.9	0.45	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanesulfonic acid (PFOS)	0.65	J	1.9	0.50	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSA	<0.80		1.9	0.80	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSE	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 16:25	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-10

Lab Sample ID: 500-203366-5

Date Collected: 08/03/21 12:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 16:25	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 16:25	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/06/21 20:10	08/09/21 16:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/06/21 20:10	08/09/21 16:25	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 16:25	1
9CI-PF3ONS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 16:25	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 16:25	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C5 PFPeA	95		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 PFHxA	98		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C4 PFHpA	102		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C4 PFOA	104		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C5 PFNA	96		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 PFDA	105		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 PFUnA	97		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 PFDoA	96		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 PFTeDA	90		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C3 PFBS	95		25 - 150	08/06/21 20:10	08/09/21 16:25	1
18O2 PFHxS	93		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C4 PFOS	94		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C8 FOSA	99		10 - 150	08/06/21 20:10	08/09/21 16:25	1
d3-NMeFOSAA	84		25 - 150	08/06/21 20:10	08/09/21 16:25	1
d5-NEtFOSAA	93		25 - 150	08/06/21 20:10	08/09/21 16:25	1
d-N-MeFOSA-M	82		10 - 150	08/06/21 20:10	08/09/21 16:25	1
d-N-EtFOSA-M	79		10 - 150	08/06/21 20:10	08/09/21 16:25	1
d7-N-MeFOSE-M	80		10 - 150	08/06/21 20:10	08/09/21 16:25	1
d9-N-EtFOSE-M	82		10 - 150	08/06/21 20:10	08/09/21 16:25	1
M2-4:2 FTS	107		25 - 150	08/06/21 20:10	08/09/21 16:25	1
M2-6:2 FTS	127		25 - 150	08/06/21 20:10	08/09/21 16:25	1
M2-8:2 FTS	120		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C3 HFPO-DA	102		25 - 150	08/06/21 20:10	08/09/21 16:25	1
13C2 10:2 FTS	114		25 - 150	08/06/21 20:10	08/09/21 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:31	1
Barium	63		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:31	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:31	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:31	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:31	1
Selenium	1.5	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:51	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:17	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:52	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:52	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:52	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
1,2-Dichloroethane	1.0		1.0	0.39	ug/L			08/13/21 15:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:52	1
Toluene	0.17 J		0.50	0.15	ug/L			08/13/21 15:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1
Trichloroethene	1.2		0.50	0.16	ug/L			08/13/21 15:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/13/21 15:52	1
Dibromofluoromethane (Surr)	91		75 - 120		08/13/21 15:52	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		08/13/21 15:52	1
Toluene-d8 (Surr)	95		75 - 120		08/13/21 15:52	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorobutanesulfonic acid (PFBS)	0.20 J		1.9	0.19	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/09/21 05:29	08/13/21 18:52	1

Eurolins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 18:52	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/09/21 05:29	08/13/21 18:52	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/09/21 05:29	08/13/21 18:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/09/21 05:29	08/13/21 18:52	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/09/21 05:29	08/13/21 18:52	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 18:52	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 18:52	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C5 PFPeA	94		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 PFHxA	90		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C4 PFHpA	96		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C4 PFOA	94		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C5 PFNA	100		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 PFDA	98		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 PFUnA	95		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 PFDoA	93		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 PFTeDA	95		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C3 PFBS	103		25 - 150				08/09/21 05:29	08/13/21 18:52	1
18O2 PFHxS	92		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C4 PFOS	88		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C8 FOSA	93		10 - 150				08/09/21 05:29	08/13/21 18:52	1
d3-NMeFOSAA	83		25 - 150				08/09/21 05:29	08/13/21 18:52	1
d5-NEtFOSAA	88		25 - 150				08/09/21 05:29	08/13/21 18:52	1
d-N-MeFOSA-M	73		10 - 150				08/09/21 05:29	08/13/21 18:52	1
d-N-EtFOSA-M	68		10 - 150				08/09/21 05:29	08/13/21 18:52	1
d7-N-MeFOSE-M	74		10 - 150				08/09/21 05:29	08/13/21 18:52	1
d9-N-EtFOSE-M	82		10 - 150				08/09/21 05:29	08/13/21 18:52	1
M2-4:2 FTS	101		25 - 150				08/09/21 05:29	08/13/21 18:52	1
M2-6:2 FTS	110		25 - 150				08/09/21 05:29	08/13/21 18:52	1
M2-8:2 FTS	99		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C3 HFPO-DA	102		25 - 150				08/09/21 05:29	08/13/21 18:52	1
13C2 10:2 FTS	92		25 - 150				08/09/21 05:29	08/13/21 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:34	1
Barium	70		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:34	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:34	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:34	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:34	1
Selenium	1.7	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:54	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:20	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5 DUP

Lab Sample ID: 500-203366-7

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:17	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:17	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:17	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
1,2-Dichloroethane	0.91	J	1.0	0.39	ug/L			08/13/21 16:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 16:17	1
Toluene	0.17	J	0.50	0.15	ug/L			08/13/21 16:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5 DUP

Lab Sample ID: 500-203366-7

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1
Trichloroethene	1.2		0.50	0.16	ug/L			08/13/21 16:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124					08/13/21 16:17	1
Dibromofluoromethane (Surr)	93		75 - 120					08/13/21 16:17	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126					08/13/21 16:17	1
Toluene-d8 (Surr)	97		75 - 120					08/13/21 16:17	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorobutanesulfonic acid (PFBS)	0.23 J		1.8	0.18	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.59 J		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 19:01	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/09/21 05:29	08/13/21 19:01	1
NEtFOSAA	<1.2		4.4	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-5 DUP
Date Collected: 08/03/21 13:30
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.75		1.8	0.75	ng/L		08/09/21 05:29	08/13/21 19:01	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:01	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 19:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/09/21 05:29	08/13/21 19:01	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 19:01	1
9CI-PF3ONS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:01	1
11CI-PF3OUdS	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C5 PFPeA	97		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 PFHxA	93		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C4 PFHpA	97		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C4 PFOA	100		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C5 PFNA	104		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 PFDA	102		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 PFUnA	96		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 PFDoA	91		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 PFTeDA	98		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C3 PFBS	110		25 - 150	08/09/21 05:29	08/13/21 19:01	1
18O2 PFHxS	92		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C4 PFOS	92		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C8 FOSA	98		10 - 150	08/09/21 05:29	08/13/21 19:01	1
d3-NMeFOSAA	88		25 - 150	08/09/21 05:29	08/13/21 19:01	1
d5-NEtFOSAA	91		25 - 150	08/09/21 05:29	08/13/21 19:01	1
d-N-MeFOSA-M	75		10 - 150	08/09/21 05:29	08/13/21 19:01	1
d-N-EtFOSA-M	72		10 - 150	08/09/21 05:29	08/13/21 19:01	1
d7-N-MeFOSE-M	74		10 - 150	08/09/21 05:29	08/13/21 19:01	1
d9-N-EtFOSE-M	80		10 - 150	08/09/21 05:29	08/13/21 19:01	1
M2-4:2 FTS	103		25 - 150	08/09/21 05:29	08/13/21 19:01	1
M2-6:2 FTS	103		25 - 150	08/09/21 05:29	08/13/21 19:01	1
M2-8:2 FTS	100		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C3 HFPO-DA	102		25 - 150	08/09/21 05:29	08/13/21 19:01	1
13C2 10:2 FTS	91		25 - 150	08/09/21 05:29	08/13/21 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:38	1
Barium	67		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:38	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:38	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:38	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:38	1
Selenium	1.4	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:57	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:22	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-4
Date Collected: 08/03/21 15:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-9
Matrix: Water

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

Table with columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Rows include various chemical compounds like Benzene, Bromobenzene, etc., with numerical results and units.

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-8
Date Collected: 08/03/21 16:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.2		3.6	1.2	ng/L		08/09/21 05:29	08/13/21 19:55	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/09/21 05:29	08/13/21 19:55	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:55	1
6:2 FTS	<2.2		4.5	2.2	ng/L		08/09/21 05:29	08/13/21 19:55	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 19:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/09/21 05:29	08/13/21 19:55	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/09/21 05:29	08/13/21 19:55	1
9CI-PF3ONS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:55	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 19:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C5 PFPeA	92		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 PFHxA	88		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C4 PFHpA	97		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C4 PFOA	89		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C5 PFNA	97		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 PFDA	100		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 PFUnA	84		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 PFDoA	86		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 PFTeDA	91		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C3 PFBS	101		25 - 150				08/09/21 05:29	08/13/21 19:55	1
18O2 PFHxS	86		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C4 PFOS	84		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C8 FOSA	90		10 - 150				08/09/21 05:29	08/13/21 19:55	1
d3-NMeFOSAA	83		25 - 150				08/09/21 05:29	08/13/21 19:55	1
d5-NEtFOSAA	91		25 - 150				08/09/21 05:29	08/13/21 19:55	1
d-N-MeFOSA-M	80		10 - 150				08/09/21 05:29	08/13/21 19:55	1
d-N-EtFOSA-M	72		10 - 150				08/09/21 05:29	08/13/21 19:55	1
d7-N-MeFOSE-M	80		10 - 150				08/09/21 05:29	08/13/21 19:55	1
d9-N-EtFOSE-M	85		10 - 150				08/09/21 05:29	08/13/21 19:55	1
M2-4:2 FTS	105		25 - 150				08/09/21 05:29	08/13/21 19:55	1
M2-6:2 FTS	111		25 - 150				08/09/21 05:29	08/13/21 19:55	1
M2-8:2 FTS	97		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C3 HFPO-DA	94		25 - 150				08/09/21 05:29	08/13/21 19:55	1
13C2 10:2 FTS	91		25 - 150				08/09/21 05:29	08/13/21 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.82	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:55	1
Barium	100		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:55	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:55	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:55	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:55	1
Selenium	1.9	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:11	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 12:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 12:43	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 12:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 12:43	1
2-Butanone (MEK)	2.7	J	5.0	2.1	ug/L			08/13/21 12:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 12:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 12:43	1
Chloroform	1.0	J	2.0	0.37	ug/L			08/13/21 12:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 12:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 12:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 12:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 12:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 12:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 12:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 12:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 12:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 12:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 12:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 12:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 12:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 12:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 12:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 12:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 12:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 12:43	1
Toluene	0.63		0.50	0.15	ug/L			08/13/21 12:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 12:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 12:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 12:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 12:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 12:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 12:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 12:43	1
Xylenes, Total	0.23	J	1.0	0.22	ug/L			08/13/21 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/21 12:43	1
Dibromofluoromethane (Surr)	91		75 - 120		08/13/21 12:43	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		08/13/21 12:43	1
Toluene-d8 (Surr)	98		75 - 120		08/13/21 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.066		0.40	0.066	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1221	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1232	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1242	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1248	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1254	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1260	<0.069		0.40	0.069	ug/L		08/06/21 19:21	08/09/21 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		30 - 120	08/06/21 19:21	08/09/21 18:16	1
DCB Decachlorobiphenyl	82		30 - 140	08/06/21 19:21	08/09/21 18:16	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.7	1.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		08/09/21 05:29	08/13/21 20:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSA	<0.75		1.7	0.75	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSE	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 20:23	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 20:23	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/09/21 05:29	08/13/21 20:23	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/09/21 05:29	08/13/21 20:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/09/21 05:29	08/13/21 20:23	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 20:23	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 20:23	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 20:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C5 PFPeA	93		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 PFHxA	91		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C4 PFHpA	94		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C4 PFOA	89		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C5 PFNA	86		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 PFDA	97		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 PFUnA	99		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 PFDoA	95		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 PFTeDA	96		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C3 PFBS	104		25 - 150	08/09/21 05:29	08/13/21 20:23	1
18O2 PFHxS	94		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C4 PFOS	89		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C8 FOSA	91		10 - 150	08/09/21 05:29	08/13/21 20:23	1
d3-NMeFOSAA	90		25 - 150	08/09/21 05:29	08/13/21 20:23	1
d5-NEtFOSAA	99		25 - 150	08/09/21 05:29	08/13/21 20:23	1
d-N-MeFOSA-M	75		10 - 150	08/09/21 05:29	08/13/21 20:23	1
d-N-EtFOSA-M	72		10 - 150	08/09/21 05:29	08/13/21 20:23	1
d7-N-MeFOSE-M	76		10 - 150	08/09/21 05:29	08/13/21 20:23	1
d9-N-EtFOSE-M	86		10 - 150	08/09/21 05:29	08/13/21 20:23	1
M2-4:2 FTS	98		25 - 150	08/09/21 05:29	08/13/21 20:23	1
M2-6:2 FTS	98		25 - 150	08/09/21 05:29	08/13/21 20:23	1
M2-8:2 FTS	100		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C3 HFPO-DA	91		25 - 150	08/09/21 05:29	08/13/21 20:23	1
13C2 10:2 FTS	102		25 - 150	08/09/21 05:29	08/13/21 20:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-01

Lab Sample ID: 500-203366-11

Date Collected: 08/03/21 17:15

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:12	1
Barium	<0.73		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:12	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:12	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:12	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:12	1
Selenium	2.4	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:25	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:10	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5A

Lab Sample ID: 500-203366-12

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:09	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:09	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:09	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:09	1
Toluene	0.15 J		0.50	0.15	ug/L			08/13/21 13:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5A
Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/13/21 13:09	1
Dibromofluoromethane (Surr)	91		75 - 120		08/13/21 13:09	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		08/13/21 13:09	1
Toluene-d8 (Surr)	100		75 - 120		08/13/21 13:09	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.1		4.7	2.3	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoropentanoic acid (PFPeA)	0.55	J	1.9	0.46	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorohexanoic acid (PFHxA)	0.70	J	1.9	0.55	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.24	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanoic acid (PFOA)	1.1	J	1.9	0.81	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.9	0.54	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanesulfonic acid (PFOS)	8.9		1.9	0.51	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/09/21 05:29	08/13/21 20:32	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/09/21 05:29	08/13/21 20:32	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/09/21 05:29	08/13/21 20:32	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-5A
Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/09/21 05:29	08/13/21 20:32	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 20:32	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/09/21 05:29	08/13/21 20:32	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/09/21 05:29	08/13/21 20:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/09/21 05:29	08/13/21 20:32	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/09/21 05:29	08/13/21 20:32	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 20:32	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 20:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C5 PFPeA	92		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 PFHxA	92		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C4 PFHpA	101		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C4 PFOA	96		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C5 PFNA	93		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 PFDA	101		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 PFUnA	93		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 PFDoA	77		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 PFTeDA	88		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C3 PFBS	100		25 - 150				08/09/21 05:29	08/13/21 20:32	1
18O2 PFHxS	93		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C4 PFOS	89		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C8 FOSA	92		10 - 150				08/09/21 05:29	08/13/21 20:32	1
d3-NMeFOSAA	83		25 - 150				08/09/21 05:29	08/13/21 20:32	1
d5-NEtFOSAA	87		25 - 150				08/09/21 05:29	08/13/21 20:32	1
d-N-MeFOSA-M	74		10 - 150				08/09/21 05:29	08/13/21 20:32	1
d-N-EtFOSA-M	69		10 - 150				08/09/21 05:29	08/13/21 20:32	1
d7-N-MeFOSE-M	71		10 - 150				08/09/21 05:29	08/13/21 20:32	1
d9-N-EtFOSE-M	74		10 - 150				08/09/21 05:29	08/13/21 20:32	1
M2-4:2 FTS	102		25 - 150				08/09/21 05:29	08/13/21 20:32	1
M2-6:2 FTS	117		25 - 150				08/09/21 05:29	08/13/21 20:32	1
M2-8:2 FTS	99		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C3 HFPO-DA	98		25 - 150				08/09/21 05:29	08/13/21 20:32	1
13C2 10:2 FTS	87		25 - 150				08/09/21 05:29	08/13/21 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.91	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:16	1
Barium	50		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:16	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:16	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:16	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:16	1
Selenium	1.1	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:28	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Date Collected: 08/03/21 08:55

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:35	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:35	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:35	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 13:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Date Collected: 08/03/21 08:55

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:35	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124			08/13/21 13:35	1
Dibromofluoromethane (Surr)	90		75 - 120			08/13/21 13:35	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126			08/13/21 13:35	1
Toluene-d8 (Surr)	100		75 - 120			08/13/21 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.065		0.39	0.065	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1221	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1232	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1242	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1248	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1254	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1260	<0.068		0.39	0.068	ug/L		08/06/21 19:21	08/09/21 18:32	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		30 - 120		08/06/21 19:21	08/09/21 18:32	1
DCB Decachlorobiphenyl	108		30 - 140		08/06/21 19:21	08/09/21 18:32	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorohexanoic acid (PFHxA)	0.57	J	1.8	0.53	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-9
Date Collected: 08/03/21 08:55
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:41	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:41	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 20:41	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 20:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 20:41	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 20:41	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:41	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:41	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	82		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C5 PFPeA	92		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C2 PFHxA	90		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C4 PFHpA	95		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C4 PFOA	93		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C5 PFNA	96		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C2 PFDA	100		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C2 PFUnA	97		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C2 PFDoA	89		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C2 PFTeDA	86		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C3 PFBS	97		25 - 150				08/09/21 05:29	08/13/21 20:41	1
18O2 PFHxS	94		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C4 PFOS	86		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C8 FOSA	93		10 - 150				08/09/21 05:29	08/13/21 20:41	1
d3-NMeFOSAA	86		25 - 150				08/09/21 05:29	08/13/21 20:41	1
d5-NEtFOSAA	94		25 - 150				08/09/21 05:29	08/13/21 20:41	1
d-N-MeFOSA-M	73		10 - 150				08/09/21 05:29	08/13/21 20:41	1
d-N-EtFOSA-M	68		10 - 150				08/09/21 05:29	08/13/21 20:41	1
d7-N-MeFOSE-M	76		10 - 150				08/09/21 05:29	08/13/21 20:41	1
d9-N-EtFOSE-M	82		10 - 150				08/09/21 05:29	08/13/21 20:41	1
M2-4:2 FTS	101		25 - 150				08/09/21 05:29	08/13/21 20:41	1
M2-6:2 FTS	113		25 - 150				08/09/21 05:29	08/13/21 20:41	1
M2-8:2 FTS	99		25 - 150				08/09/21 05:29	08/13/21 20:41	1
13C3 HFPO-DA	95		25 - 150				08/09/21 05:29	08/13/21 20:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Date Collected: 08/03/21 08:55

Matrix: Water

Date Received: 08/05/21 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 10:2 FTS	101		25 - 150	08/09/21 05:29	08/13/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:19	1
Barium	45		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:19	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:19	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:19	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:19	1
Selenium	1.5	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:31	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:18	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Date Collected: 08/03/21 10:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:01	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:01	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:01	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:01	1
Chloromethane	0.49	J	1.0	0.32	ug/L			08/13/21 14:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:01	1
cis-1,2-Dichloroethene	51		1.0	0.41	ug/L			08/13/21 14:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
Tetrachloroethene	2.7		1.0	0.37	ug/L			08/13/21 14:01	1
Toluene	0.16	J	0.50	0.15	ug/L			08/13/21 14:01	1
trans-1,2-Dichloroethene	1.0		1.0	0.35	ug/L			08/13/21 14:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Date Collected: 08/03/21 10:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:01	1
Trichloroethene	5.5		0.50	0.16	ug/L			08/13/21 14:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:01	1
Vinyl chloride	0.22 J		1.0	0.20	ug/L			08/13/21 14:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/13/21 14:01	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/21 14:01	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/13/21 14:01	1
Toluene-d8 (Surr)	99		75 - 120		08/13/21 14:01	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorohexanoic acid (PFHxA)	0.57 J		1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanoic acid (PFOA)	5.0		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorodecanoic acid (PFDA)	0.28 J		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorobutanesulfonic acid (PFBS)	0.88 J		1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorohexanesulfonic acid (PFHxS)	2.6		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanesulfonic acid (PFOS)	1.6 J		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:50	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:50	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/09/21 05:29	08/13/21 20:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Date Collected: 08/03/21 10:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 20:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:50	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/09/21 05:29	08/13/21 20:50	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 20:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/09/21 05:29	08/13/21 20:50	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/09/21 05:29	08/13/21 20:50	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:50	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C5 PFPeA	89		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 PFHxA	88		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C4 PFHpA	96		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C4 PFOA	88		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C5 PFNA	93		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 PFDA	99		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 PFUnA	92		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 PFDoA	86		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 PFTeDA	94		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C3 PFBS	104		25 - 150				08/09/21 05:29	08/13/21 20:50	1
18O2 PFHxS	89		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C4 PFOS	88		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C8 FOSA	90		10 - 150				08/09/21 05:29	08/13/21 20:50	1
d3-NMeFOSAA	85		25 - 150				08/09/21 05:29	08/13/21 20:50	1
d5-NEtFOSAA	88		25 - 150				08/09/21 05:29	08/13/21 20:50	1
d-N-MeFOSA-M	71		10 - 150				08/09/21 05:29	08/13/21 20:50	1
d-N-EtFOSA-M	67		10 - 150				08/09/21 05:29	08/13/21 20:50	1
d7-N-MeFOSE-M	78		10 - 150				08/09/21 05:29	08/13/21 20:50	1
d9-N-EtFOSE-M	79		10 - 150				08/09/21 05:29	08/13/21 20:50	1
M2-4:2 FTS	91		25 - 150				08/09/21 05:29	08/13/21 20:50	1
M2-6:2 FTS	96		25 - 150				08/09/21 05:29	08/13/21 20:50	1
M2-8:2 FTS	90		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C3 HFPO-DA	91		25 - 150				08/09/21 05:29	08/13/21 20:50	1
13C2 10:2 FTS	94		25 - 150				08/09/21 05:29	08/13/21 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:22	1
Barium	94		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:22	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:22	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:22	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:22	1
Selenium	2.4	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:34	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:20	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-2

Lab Sample ID: 500-203366-15

Date Collected: 08/03/21 11:25

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:27	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:27	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:27	1
Toluene	0.15 J		0.50	0.15	ug/L			08/13/21 14:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-2

Lab Sample ID: 500-203366-15

Date Collected: 08/03/21 11:25

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		08/13/21 14:27	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/21 14:27	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/13/21 14:27	1
Toluene-d8 (Surr)	98		75 - 120		08/13/21 14:27	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorodecanoic acid (PFDA)	0.33	J	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorobutanesulfonic acid (PFBS)	0.70	J	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 20:59	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:59	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 20:59	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-2
Date Collected: 08/03/21 11:25
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:59	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:59	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 20:59	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 20:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 20:59	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 20:59	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:59	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:59	1

Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C5 PFPeA	87		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 PFHxA	85		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C4 PFHpA	94		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C4 PFOA	93		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C5 PFNA	94		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 PFDA	92		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 PFUnA	95		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 PFDoA	79		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 PFTeDA	98		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C3 PFBS	98		25 - 150				08/09/21 05:29	08/13/21 20:59	1
18O2 PFHxS	89		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C4 PFOS	88		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C8 FOSA	91		10 - 150				08/09/21 05:29	08/13/21 20:59	1
d3-NMeFOSAA	83		25 - 150				08/09/21 05:29	08/13/21 20:59	1
d5-NEtFOSAA	86		25 - 150				08/09/21 05:29	08/13/21 20:59	1
d-N-MeFOSA-M	78		10 - 150				08/09/21 05:29	08/13/21 20:59	1
d-N-EtFOSA-M	71		10 - 150				08/09/21 05:29	08/13/21 20:59	1
d7-N-MeFOSE-M	80		10 - 150				08/09/21 05:29	08/13/21 20:59	1
d9-N-EtFOSE-M	81		10 - 150				08/09/21 05:29	08/13/21 20:59	1
M2-4:2 FTS	94		25 - 150				08/09/21 05:29	08/13/21 20:59	1
M2-6:2 FTS	107		25 - 150				08/09/21 05:29	08/13/21 20:59	1
M2-8:2 FTS	96		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C3 HFPO-DA	88		25 - 150				08/09/21 05:29	08/13/21 20:59	1
13C2 10:2 FTS	94		25 - 150				08/09/21 05:29	08/13/21 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:33	1
Barium	49		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:33	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:33	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:33	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:33	1
Selenium	1.2	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:42	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-1

Lab Sample ID: 500-203366-16

Date Collected: 08/03/21 12:15

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:53	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:53	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:53	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:53	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 14:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-1

Lab Sample ID: 500-203366-16

Date Collected: 08/03/21 12:15

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/13/21 14:53	1
Dibromofluoromethane (Surr)	92		75 - 120		08/13/21 14:53	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		08/13/21 14:53	1
Toluene-d8 (Surr)	98		75 - 120		08/13/21 14:53	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorobutanesulfonic acid (PFBS)	0.62 J		2.0	0.20	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorohexanesulfonic acid (PFHxS)	1.4 J		2.0	0.57	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanesulfonic acid (PFOS)	0.61 J		2.0	0.54	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/09/21 05:29	08/13/21 21:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/09/21 05:29	08/13/21 21:36	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/09/21 05:29	08/13/21 21:36	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-1
Date Collected: 08/03/21 12:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.4		4.0	1.4	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/09/21 05:29	08/13/21 21:36	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 21:36	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/09/21 05:29	08/13/21 21:36	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/09/21 05:29	08/13/21 21:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/09/21 05:29	08/13/21 21:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/09/21 05:29	08/13/21 21:36	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 21:36	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 21:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C5 PFPeA	87		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 PFHxA	91		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C4 PFHpA	100		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C4 PFOA	94		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C5 PFNA	99		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 PFDA	107		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 PFUnA	102		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 PFDoA	89		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 PFTeDA	103		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C3 PFBS	104		25 - 150				08/09/21 05:29	08/13/21 21:36	1
18O2 PFHxS	93		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C4 PFOS	92		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C8 FOSA	96		10 - 150				08/09/21 05:29	08/13/21 21:36	1
d3-NMeFOSAA	89		25 - 150				08/09/21 05:29	08/13/21 21:36	1
d5-NEtFOSAA	95		25 - 150				08/09/21 05:29	08/13/21 21:36	1
d-N-MeFOSA-M	77		10 - 150				08/09/21 05:29	08/13/21 21:36	1
d-N-EtFOSA-M	73		10 - 150				08/09/21 05:29	08/13/21 21:36	1
d7-N-MeFOSE-M	81		10 - 150				08/09/21 05:29	08/13/21 21:36	1
d9-N-EtFOSE-M	82		10 - 150				08/09/21 05:29	08/13/21 21:36	1
M2-4:2 FTS	98		25 - 150				08/09/21 05:29	08/13/21 21:36	1
M2-6:2 FTS	101		25 - 150				08/09/21 05:29	08/13/21 21:36	1
M2-8:2 FTS	103		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C3 HFPO-DA	95		25 - 150				08/09/21 05:29	08/13/21 21:36	1
13C2 10:2 FTS	102		25 - 150				08/09/21 05:29	08/13/21 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:36	1
Barium	58		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:36	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:36	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:36	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:36	1
Selenium	1.5	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:45	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:29	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-8
Date Collected: 08/03/21 13:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:19	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:19	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:19	1
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L			08/13/21 15:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:19	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:19	1
Toluene	0.15 J		0.50	0.15	ug/L			08/13/21 15:19	1
trans-1,2-Dichloroethene	0.76 J		1.0	0.35	ug/L			08/13/21 15:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-8

Lab Sample ID: 500-203366-17

Date Collected: 08/03/21 13:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 15:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124					08/13/21 15:19	1
Dibromofluoromethane (Surr)	92		75 - 120					08/13/21 15:19	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126					08/13/21 15:19	1
Toluene-d8 (Surr)	100		75 - 120					08/13/21 15:19	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorobutanesulfonic acid (PFBS)	0.88 J		1.8	0.18	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.84 J		1.8	0.52	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanesulfonic acid (PFOS)	0.66 J		1.8	0.49	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/13/21 05:11	08/13/21 14:10	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/13/21 05:11	08/13/21 14:10	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/13/21 05:11	08/13/21 14:10	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-8

Lab Sample ID: 500-203366-17

Date Collected: 08/03/21 13:35

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/13/21 05:11	08/13/21 14:10	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/13/21 05:11	08/13/21 14:10	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/13/21 05:11	08/13/21 14:10	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/13/21 05:11	08/13/21 14:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/13/21 05:11	08/13/21 14:10	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/13/21 05:11	08/13/21 14:10	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/13/21 05:11	08/13/21 14:10	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/13/21 05:11	08/13/21 14:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C5 PFPeA	88		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 PFHxA	80		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C4 PFHpA	90		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C4 PFOA	96		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C5 PFNA	95		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 PFDA	86		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 PFUnA	86		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 PFDoA	92		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 PFTeDA	104		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C3 PFBS	101		25 - 150	08/13/21 05:11	08/13/21 14:10	1
18O2 PFHxS	92		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C4 PFOS	95		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C8 FOSA	94		10 - 150	08/13/21 05:11	08/13/21 14:10	1
d3-NMeFOSAA	80		25 - 150	08/13/21 05:11	08/13/21 14:10	1
d5-NEtFOSAA	95		25 - 150	08/13/21 05:11	08/13/21 14:10	1
d-N-MeFOSA-M	82		10 - 150	08/13/21 05:11	08/13/21 14:10	1
d-N-EtFOSA-M	73		10 - 150	08/13/21 05:11	08/13/21 14:10	1
d7-N-MeFOSE-M	72		10 - 150	08/13/21 05:11	08/13/21 14:10	1
d9-N-EtFOSE-M	82		10 - 150	08/13/21 05:11	08/13/21 14:10	1
M2-4:2 FTS	90		25 - 150	08/13/21 05:11	08/13/21 14:10	1
M2-6:2 FTS	103		25 - 150	08/13/21 05:11	08/13/21 14:10	1
M2-8:2 FTS	85		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C3 HFPO-DA	90		25 - 150	08/13/21 05:11	08/13/21 14:10	1
13C2 10:2 FTS	79		25 - 150	08/13/21 05:11	08/13/21 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1	B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:40	1
Barium	110		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:40	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:40	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:40	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:40	1
Selenium	1.6	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:48	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:31	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:45	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:45	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:45	1
cis-1,2-Dichloroethene	120		1.0	0.41	ug/L			08/13/21 15:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
Tetrachloroethene	8.8		1.0	0.37	ug/L			08/13/21 15:45	1
Toluene	0.18 J		0.50	0.15	ug/L			08/13/21 15:45	1
trans-1,2-Dichloroethene	6.9		1.0	0.35	ug/L			08/13/21 15:45	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:45	1
Trichloroethene	7.9		0.50	0.16	ug/L			08/13/21 15:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124					08/13/21 15:45	1
Dibromofluoromethane (Surr)	92		75 - 120					08/13/21 15:45	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126					08/13/21 15:45	1
Toluene-d8 (Surr)	99		75 - 120					08/13/21 15:45	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoropentanoic acid (PFPeA)	9.1		1.9	0.47	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorohexanoic acid (PFHxA)	4.5 I		1.9	0.56	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroheptanoic acid (PFHpA)	1.1 J		1.9	0.24	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		1.9	0.19	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.93 J		1.9	0.55	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanesulfonic acid (PFOS)	0.53 J		1.9	0.52	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/13/21 05:11	08/13/21 14:20	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/13/21 05:11	08/13/21 14:20	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:20	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:20	1
6:2 FTS	4.5	J	4.8	2.4	ng/L		08/13/21 05:11	08/13/21 14:20	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/13/21 05:11	08/13/21 14:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/13/21 05:11	08/13/21 14:20	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/13/21 05:11	08/13/21 14:20	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:20	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/13/21 05:11	08/13/21 14:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C5 PFPeA	86		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 PFHxA	77		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C4 PFHpA	88		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C4 PFOA	96		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C5 PFNA	94		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 PFDA	86		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 PFUnA	76		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 PFDoA	102		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 PFTeDA	112		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C3 PFBS	98		25 - 150	08/13/21 05:11	08/13/21 14:20	1
18O2 PFHxS	94		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C4 PFOS	88		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C8 FOSA	95		10 - 150	08/13/21 05:11	08/13/21 14:20	1
d3-NMeFOSAA	86		25 - 150	08/13/21 05:11	08/13/21 14:20	1
d5-NEtFOSAA	92		25 - 150	08/13/21 05:11	08/13/21 14:20	1
d-N-MeFOSA-M	74		10 - 150	08/13/21 05:11	08/13/21 14:20	1
d-N-EtFOSA-M	70		10 - 150	08/13/21 05:11	08/13/21 14:20	1
d7-N-MeFOSE-M	67		10 - 150	08/13/21 05:11	08/13/21 14:20	1
d9-N-EtFOSE-M	86		10 - 150	08/13/21 05:11	08/13/21 14:20	1
M2-4:2 FTS	83		25 - 150	08/13/21 05:11	08/13/21 14:20	1
M2-6:2 FTS	101		25 - 150	08/13/21 05:11	08/13/21 14:20	1
M2-8:2 FTS	76		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C3 HFPO-DA	94		25 - 150	08/13/21 05:11	08/13/21 14:20	1
13C2 10:2 FTS	79		25 - 150	08/13/21 05:11	08/13/21 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.95	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:43	1
Barium	79		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:43	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:43	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:43	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:43	1
Selenium	1.7	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:51	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP

Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:11	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:11	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:11	1
cis-1,2-Dichloroethene	110		1.0	0.41	ug/L			08/13/21 16:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:11	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:11	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
Tetrachloroethene	8.4		1.0	0.37	ug/L			08/13/21 16:11	1
Toluene	0.16 J		0.50	0.15	ug/L			08/13/21 16:11	1
trans-1,2-Dichloroethene	6.5		1.0	0.35	ug/L			08/13/21 16:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP

Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:11	1
Trichloroethene	7.6		0.50	0.16	ug/L			08/13/21 16:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		08/13/21 16:11	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/21 16:11	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/13/21 16:11	1
Toluene-d8 (Surr)	99		75 - 120		08/13/21 16:11	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoropentanoic acid (PFPeA)	9.5		1.9	0.46	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorohexanoic acid (PFHxA)	3.8		1.9	0.55	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroheptanoic acid (PFHpA)	1.1 J I		1.9	0.24	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorobutanesulfonic acid (PFBS)	1.2 J		1.9	0.19	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.81 J		1.9	0.54	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/13/21 05:11	08/13/21 14:29	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/13/21 05:11	08/13/21 14:29	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:29	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP

Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.80		1.9	0.80	ng/L		08/13/21 05:11	08/13/21 14:29	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:29	1
6:2 FTS	4.2	J	4.7	2.4	ng/L		08/13/21 05:11	08/13/21 14:29	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/13/21 05:11	08/13/21 14:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/13/21 05:11	08/13/21 14:29	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/13/21 05:11	08/13/21 14:29	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:29	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:29	1

Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>13C4 PFBA</i>	85		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C5 PFPeA</i>	83		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 PFHxA</i>	75		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C4 PFHpA</i>	83		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C4 PFOA</i>	92		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C5 PFNA</i>	92		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 PFDA</i>	85		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 PFUnA</i>	81		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 PFDoA</i>	85		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 PFTeDA</i>	110		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C3 PFBS</i>	94		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>18O2 PFHxS</i>	92		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C4 PFOS</i>	85		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C8 FOSA</i>	89		10 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d3-NMeFOSAA</i>	83		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d5-NEtFOSAA</i>	86		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d-N-MeFOSA-M</i>	65		10 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d-N-EtFOSA-M</i>	67		10 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d7-N-MeFOSE-M</i>	64		10 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>d9-N-EtFOSE-M</i>	71		10 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>M2-4:2 FTS</i>	77		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>M2-6:2 FTS</i>	96		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>M2-8:2 FTS</i>	70		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C3 HFPO-DA</i>	86		25 - 150				08/13/21 05:11	08/13/21 14:29	1
<i>13C2 10:2 FTS</i>	79		25 - 150				08/13/21 05:11	08/13/21 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.86	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:47	1
Barium	81		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:47	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:47	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:47	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:47	1
Selenium	1.4	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:53	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:35	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-9

Lab Sample ID: 500-203366-20

Date Collected: 08/03/21 16:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:37	1
cis-1,2-Dichloroethene	33		1.0	0.41	ug/L			08/13/21 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
Tetrachloroethene	130		1.0	0.37	ug/L			08/13/21 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 16:37	1
trans-1,2-Dichloroethene	0.64 J		1.0	0.35	ug/L			08/13/21 16:37	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-9
Date Collected: 08/03/21 16:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:37	1
Trichloroethene	59		0.50	0.16	ug/L			08/13/21 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124					08/13/21 16:37	1
Dibromofluoromethane (Surr)	92		75 - 120					08/13/21 16:37	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126					08/13/21 16:37	1
Toluene-d8 (Surr)	98		75 - 120					08/13/21 16:37	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.5	J	4.7	2.3	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoropentanoic acid (PFPeA)	2.9		1.9	0.46	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorohexanoic acid (PFHxA)	1.6	J	1.9	0.55	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroheptanoic acid (PFHpA)	1.3	J	1.9	0.24	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanoic acid (PFOA)	1.9		1.9	0.81	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorononanoic acid (PFNA)	0.63	J	1.9	0.26	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorodecanoic acid (PFDA)	0.40	J	1.9	0.29	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanesulfonic acid (PFOS)	2.3		1.9	0.51	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoronanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/06/21 20:10	08/10/21 10:59	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: PZ-9

Lab Sample ID: 500-203366-20

Date Collected: 08/03/21 16:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/10/21 10:59	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/06/21 20:10	08/10/21 10:59	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/06/21 20:10	08/10/21 10:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/06/21 20:10	08/10/21 10:59	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/06/21 20:10	08/10/21 10:59	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/10/21 10:59	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/10/21 10:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C5 PFPeA	94		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 PFHxA	98		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C4 PFHpA	104		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C4 PFOA	97		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C5 PFNA	103		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 PFDA	102		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 PFUnA	94		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 PFDoA	91		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 PFTeDA	89		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C3 PFBS	91		25 - 150				08/06/21 20:10	08/10/21 10:59	1
18O2 PFHxS	97		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C4 PFOS	88		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C8 FOSA	90		10 - 150				08/06/21 20:10	08/10/21 10:59	1
d3-NMeFOSAA	74		25 - 150				08/06/21 20:10	08/10/21 10:59	1
d5-NEtFOSAA	86		25 - 150				08/06/21 20:10	08/10/21 10:59	1
d-N-MeFOSA-M	76		10 - 150				08/06/21 20:10	08/10/21 10:59	1
d-N-EtFOSA-M	74		10 - 150				08/06/21 20:10	08/10/21 10:59	1
d7-N-MeFOSE-M	71		10 - 150				08/06/21 20:10	08/10/21 10:59	1
d9-N-EtFOSE-M	75		10 - 150				08/06/21 20:10	08/10/21 10:59	1
M2-4:2 FTS	109		25 - 150				08/06/21 20:10	08/10/21 10:59	1
M2-6:2 FTS	131		25 - 150				08/06/21 20:10	08/10/21 10:59	1
M2-8:2 FTS	116		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C3 HFPO-DA	102		25 - 150				08/06/21 20:10	08/10/21 10:59	1
13C2 10:2 FTS	91		25 - 150				08/06/21 20:10	08/10/21 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.92	J B	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:50	1
Barium	120		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:50	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:50	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:50	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:50	1
Selenium	1.5	J B ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:56	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:44	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-9

Lab Sample ID: 500-203366-21

Date Collected: 08/03/21 16:50

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 17:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 17:02	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 17:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 17:02	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 17:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 17:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 17:02	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 17:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 17:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 17:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 17:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 17:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 17:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 17:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 17:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 17:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 17:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 17:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 17:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 17:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 17:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 17:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 17:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 17:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 17:02	1
Toluene	0.16 J		0.50	0.15	ug/L			08/13/21 17:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-9

Lab Sample ID: 500-203366-21

Date Collected: 08/03/21 16:50

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 17:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 17:02	1
1,1,1-Trichloroethane	2.0		1.0	0.38	ug/L			08/13/21 17:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 17:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 17:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 17:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 17:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/13/21 17:02	1
Dibromofluoromethane (Surr)	91		75 - 120		08/13/21 17:02	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/13/21 17:02	1
Toluene-d8 (Surr)	99		75 - 120		08/13/21 17:02	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoropentanoic acid (PFPeA)	0.49	J	1.9	0.46	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorohexanoic acid (PFHxA)	0.95	J	1.9	0.54	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroheptanoic acid (PFHpA)	0.42	J	1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanoic acid (PFOA)	3.8		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoropentanesulfonic acid (PFPeS)	0.41	J	1.9	0.28	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorohexanesulfonic acid (PFHxS)	15		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.38	J	1.9	0.18	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanesulfonic acid (PFOS)	55		1.9	0.50	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/06/21 20:10	08/09/21 17:02	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/06/21 20:10	08/09/21 17:02	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 17:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: MW-9
Date Collected: 08/03/21 16:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSE	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 17:02	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 17:02	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 17:02	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/06/21 20:10	08/09/21 17:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/06/21 20:10	08/09/21 17:02	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 17:02	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 17:02	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C5 PFPeA	105		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 PFHxA	104		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C4 PFHpA	104		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C4 PFOA	97		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C5 PFNA	113		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 PFDA	109		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 PFUnA	112		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 PFDaA	95		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 PFTeDA	108		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C3 PFBS	98		25 - 150				08/06/21 20:10	08/09/21 17:02	1
18O2 PFHxS	94		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C4 PFOS	94		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C8 FOSA	103		10 - 150				08/06/21 20:10	08/09/21 17:02	1
d3-NMeFOSAA	84		25 - 150				08/06/21 20:10	08/09/21 17:02	1
d5-NEtFOSAA	106		25 - 150				08/06/21 20:10	08/09/21 17:02	1
d-N-MeFOSA-M	86		10 - 150				08/06/21 20:10	08/09/21 17:02	1
d-N-EtFOSA-M	83		10 - 150				08/06/21 20:10	08/09/21 17:02	1
d7-N-MeFOSE-M	83		10 - 150				08/06/21 20:10	08/09/21 17:02	1
d9-N-EtFOSE-M	101		10 - 150				08/06/21 20:10	08/09/21 17:02	1
M2-4:2 FTS	117		25 - 150				08/06/21 20:10	08/09/21 17:02	1
M2-6:2 FTS	118		25 - 150				08/06/21 20:10	08/09/21 17:02	1
M2-8:2 FTS	122		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C3 HFPO-DA	109		25 - 150				08/06/21 20:10	08/09/21 17:02	1
13C2 10:2 FTS	114		25 - 150				08/06/21 20:10	08/09/21 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.71	J	1.0	0.23	ug/L		08/11/21 08:24	08/11/21 23:23	1
Barium	75		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 23:23	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 23:23	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 23:23	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 23:23	1
Selenium	4.1		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 23:23	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 23:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-02
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/15/21 19:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/15/21 19:10	1
Bromoform	<0.48		1.0	0.48	ug/L			08/15/21 19:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/15/21 19:10	1
2-Butanone (MEK)	2.5 J		5.0	2.1	ug/L			08/15/21 19:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/15/21 19:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/15/21 19:10	1
Chloroform	0.73 J		2.0	0.37	ug/L			08/15/21 19:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/15/21 19:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/15/21 19:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/15/21 19:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/15/21 19:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/15/21 19:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/15/21 19:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/15/21 19:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/15/21 19:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/15/21 19:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/15/21 19:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/15/21 19:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/15/21 19:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/15/21 19:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/15/21 19:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/15/21 19:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
Styrene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/15/21 19:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/15/21 19:10	1
Toluene	0.34 J		0.50	0.15	ug/L			08/15/21 19:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-02

Date Collected: 08/03/21 17:15

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/15/21 19:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/15/21 19:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/15/21 19:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/15/21 19:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/15/21 19:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/15/21 19:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/15/21 19:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/15/21 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124		08/15/21 19:10	1
Dibromofluoromethane (Surr)	108		75 - 120		08/15/21 19:10	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		08/15/21 19:10	1
Toluene-d8 (Surr)	98		75 - 120		08/15/21 19:10	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/06/21 20:10	08/09/21 17:11	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 17:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: EB-02

Lab Sample ID: 500-203366-22

Date Collected: 08/03/21 17:15

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 17:11	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/06/21 20:10	08/09/21 17:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/06/21 20:10	08/09/21 17:11	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 17:11	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 17:11	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 17:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C5 PFPeA	99		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 PFHxA	99		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C4 PFHpA	107		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C4 PFOA	100		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C5 PFNA	102		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 PFDA	111		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 PFUnA	115		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 PFDaA	98		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 PFTeDA	100		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C3 PFBS	91		25 - 150				08/06/21 20:10	08/09/21 17:11	1
18O2 PFHxS	90		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C4 PFOS	92		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C8 FOSA	93		10 - 150				08/06/21 20:10	08/09/21 17:11	1
d3-NMeFOSAA	89		25 - 150				08/06/21 20:10	08/09/21 17:11	1
d5-NEtFOSAA	97		25 - 150				08/06/21 20:10	08/09/21 17:11	1
d-N-MeFOSA-M	88		10 - 150				08/06/21 20:10	08/09/21 17:11	1
d-N-EtFOSA-M	84		10 - 150				08/06/21 20:10	08/09/21 17:11	1
d7-N-MeFOSE-M	90		10 - 150				08/06/21 20:10	08/09/21 17:11	1
d9-N-EtFOSE-M	98		10 - 150				08/06/21 20:10	08/09/21 17:11	1
M2-4:2 FTS	112		25 - 150				08/06/21 20:10	08/09/21 17:11	1
M2-6:2 FTS	124		25 - 150				08/06/21 20:10	08/09/21 17:11	1
M2-8:2 FTS	120		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C3 HFPO-DA	106		25 - 150				08/06/21 20:10	08/09/21 17:11	1
13C2 10:2 FTS	122		25 - 150				08/06/21 20:10	08/09/21 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.44	J	1.0	0.23	ug/L		08/11/21 08:24	08/11/21 23:27	1
Barium	<0.73		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 23:27	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 23:27	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 23:27	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 23:27	1
Selenium	<0.98		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 23:27	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 23:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:52	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: FB-02

Lab Sample ID: 500-203366-23

Date Collected: 08/03/21 17:20

Matrix: Water

Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/06/21 20:10	08/09/21 17:49	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:49	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/06/21 20:10	08/09/21 17:49	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/06/21 20:10	08/09/21 17:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/06/21 20:10	08/09/21 17:49	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/06/21 20:10	08/09/21 17:49	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:49	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/06/21 20:10	08/09/21 17:49	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>13C4 PFBA</i>	<i>101</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C5 PFPeA</i>	<i>97</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C2 PFHxA</i>	<i>99</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C4 PFHpA</i>	<i>103</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C4 PFOA</i>	<i>105</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C5 PFNA</i>	<i>104</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C2 PFDA</i>	<i>119</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C2 PFUnA</i>	<i>104</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C2 PFDoA</i>	<i>100</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C2 PFTeDA</i>	<i>108</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>13C3 PFBS</i>	<i>94</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>
<i>18O2 PFHxS</i>	<i>94</i>		<i>25 - 150</i>				<i>08/06/21 20:10</i>	<i>08/09/21 17:49</i>	<i>1</i>

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: FB-02
Date Collected: 08/03/21 17:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-23
Matrix: Water

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C4 PFOS	98		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C8 FOSA	96		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d3-NMeFOSAA	94		25 - 150	08/06/21 20:10	08/09/21 17:49	1
d5-NEtFOSAA	106		25 - 150	08/06/21 20:10	08/09/21 17:49	1
d-N-MeFOSA-M	91		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d-N-EtFOSA-M	88		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d7-N-MeFOSE-M	93		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d9-N-EtFOSE-M	99		10 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-4:2 FTS	111		25 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-6:2 FTS	134		25 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-8:2 FTS	138		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C3 HFPO-DA	109		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C2 10:2 FTS	129		25 - 150	08/06/21 20:10	08/09/21 17:49	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: FB-01
Date Collected: 08/03/21 17:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-24
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanoic acid (PFOA)	<0.71		1.7	0.71	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSA	<0.72		1.7	0.72	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSA	<0.36		1.7	0.36	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSE	<1.2		3.3	1.2	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSE	<0.71		1.7	0.71	ng/L		08/06/21 20:10	08/09/21 17:58	1
4:2 FTS	<0.20		1.7	0.20	ng/L		08/06/21 20:10	08/09/21 17:58	1
6:2 FTS	<2.1		4.2	2.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
8:2 FTS	<0.38		1.7	0.38	ng/L		08/06/21 20:10	08/09/21 17:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		08/06/21 20:10	08/09/21 17:58	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		08/06/21 20:10	08/09/21 17:58	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		08/06/21 20:10	08/09/21 17:58	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		08/06/21 20:10	08/09/21 17:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C5 PFPeA	94		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 PFHxA	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C4 PFHpA	107		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C4 PFOA	100		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C5 PFNA	104		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 PFDA	109		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 PFUnA	115		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 PFDoA	99		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 PFTeDA	107		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C3 PFBS	90		25 - 150	08/06/21 20:10	08/09/21 17:58	1
18O2 PFHxS	93		25 - 150	08/06/21 20:10	08/09/21 17:58	1

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Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: FB-01

Lab Sample ID: 500-203366-24

Date Collected: 08/03/21 17:00

Matrix: Water

Date Received: 08/05/21 09:45

Method: 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	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C8 FOSA	100		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d3-NMeFOSAA	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
d5-NEtFOSAA	108		25 - 150	08/06/21 20:10	08/09/21 17:58	1
d-N-MeFOSA-M	91		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d-N-EtFOSA-M	89		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d7-N-MeFOSE-M	94		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d9-N-EtFOSE-M	107		10 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-4:2 FTS	115		25 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-6:2 FTS	127		25 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-8:2 FTS	122		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C3 HFPO-DA	105		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 10:2 FTS	126		25 - 150	08/06/21 20:10	08/09/21 17:58	1

Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-203366-25

Date Collected: 08/03/21 00:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 11:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 11:52	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 11:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 11:52	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 11:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 11:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 11:52	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 11:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 11:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 11:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 11:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 11:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 11:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 11:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 11:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 11:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 11:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 11:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 11:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 11:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 11:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 11:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 11:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 11:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 11:52	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 11:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1

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Client Sample Results

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

Job ID: 500-203366-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-203366-25

Date Collected: 08/03/21 00:00

Matrix: Water

Date Received: 08/05/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 11:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 11:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 11:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 11:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 11:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 11:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 11:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/13/21 11:52	1
Dibromofluoromethane (Surr)	92		75 - 120		08/13/21 11:52	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		08/13/21 11:52	1
Toluene-d8 (Surr)	98		75 - 120		08/13/21 11:52	1

Definitions/Glossary

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

Job ID: 500-203366-1

Qualifiers

GC/MS VOA

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

LCMS

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 20 - Chilton 1690019558

Job ID: 500-203366-1

GC/MS VOA

Analysis Batch: 614106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	8260B	
500-203366-2	B-6	Total/NA	Water	8260B	
500-203366-3	B-11	Total/NA	Water	8260B	
500-203366-4	PZ-10	Total/NA	Water	8260B	
500-203366-5	MW-10	Total/NA	Water	8260B	
500-203366-6	PZ-5	Total/NA	Water	8260B	
500-203366-7	PZ-5 DUP	Total/NA	Water	8260B	
500-203366-8	MW-5	Total/NA	Water	8260B	
500-203366-10	MW-8	Total/NA	Water	8260B	
MB 500-614106/7	Method Blank	Total/NA	Water	8260B	
LCS 500-614106/5	Lab Control Sample	Total/NA	Water	8260B	
500-203366-10 MS	MW-8	Total/NA	Water	8260B	
500-203366-10 MSD	MW-8	Total/NA	Water	8260B	

Analysis Batch: 614110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-9	OMPZ-4	Total/NA	Water	8260B	
500-203366-11	EB-01	Total/NA	Water	8260B	
500-203366-12	B-5A	Total/NA	Water	8260B	
500-203366-13	B-9	Total/NA	Water	8260B	
500-203366-14	B-12	Total/NA	Water	8260B	
500-203366-15	MW-2	Total/NA	Water	8260B	
500-203366-16	MW-1	Total/NA	Water	8260B	
500-203366-17	PZ-8	Total/NA	Water	8260B	
500-203366-18	OMPZ-3	Total/NA	Water	8260B	
500-203366-19	OMPZ-3 DUP	Total/NA	Water	8260B	
500-203366-20	PZ-9	Total/NA	Water	8260B	
500-203366-21	MW-9	Total/NA	Water	8260B	
500-203366-25	TRIP BLANK	Total/NA	Water	8260B	
MB 500-614110/8	Method Blank	Total/NA	Water	8260B	
LCS 500-614110/6	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 614295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-22	EB-02	Total/NA	Water	8260B	
MB 500-614295/6	Method Blank	Total/NA	Water	8260B	
LCS 500-614295/4	Lab Control Sample	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 613143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-11	EB-01	Total/NA	Water	3510C	
500-203366-13	B-9	Total/NA	Water	3510C	
MB 500-613143/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-613143/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-613143/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 613365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-11	EB-01	Total/NA	Water	8082A	613143

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QC Association Summary

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

Job ID: 500-203366-1

GC Semi VOA (Continued)

Analysis Batch: 613365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-13	B-9	Total/NA	Water	8082A	613143
MB 500-613143/1-A	Method Blank	Total/NA	Water	8082A	613143
LCS 500-613143/4-A	Lab Control Sample	Total/NA	Water	8082A	613143
LCSD 500-613143/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	613143

LCMS

Prep Batch: 514062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-4	PZ-10	Total/NA	Water	3535	
500-203366-5	MW-10	Total/NA	Water	3535	
500-203366-8	MW-5	Total/NA	Water	3535	
500-203366-9	OMPZ-4	Total/NA	Water	3535	
500-203366-20	PZ-9	Total/NA	Water	3535	
500-203366-21	MW-9	Total/NA	Water	3535	
500-203366-22	EB-02	Total/NA	Water	3535	
500-203366-23	FB-02	Total/NA	Water	3535	
500-203366-24	FB-01	Total/NA	Water	3535	
MB 320-514062/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-514062/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-514062/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 514346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	3535	
500-203366-2	B-6	Total/NA	Water	3535	
500-203366-3	B-11	Total/NA	Water	3535	
500-203366-6	PZ-5	Total/NA	Water	3535	
500-203366-7	PZ-5 DUP	Total/NA	Water	3535	
500-203366-10	MW-8	Total/NA	Water	3535	
500-203366-11	EB-01	Total/NA	Water	3535	
500-203366-12	B-5A	Total/NA	Water	3535	
500-203366-13	B-9	Total/NA	Water	3535	
500-203366-14	B-12	Total/NA	Water	3535	
500-203366-15	MW-2	Total/NA	Water	3535	
500-203366-16	MW-1	Total/NA	Water	3535	
MB 320-514346/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-514346/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-514346/3-A	Lab Control Sample Dup	Total/NA	Water	3535	
500-203366-10 MS	MW-8	Total/NA	Water	3535	
500-203366-10 MSD	MW-8	Total/NA	Water	3535	

Analysis Batch: 514536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-4	PZ-10	Total/NA	Water	537 (modified)	514062
500-203366-5	MW-10	Total/NA	Water	537 (modified)	514062
500-203366-8	MW-5	Total/NA	Water	537 (modified)	514062
500-203366-9	OMPZ-4	Total/NA	Water	537 (modified)	514062
500-203366-21	MW-9	Total/NA	Water	537 (modified)	514062
500-203366-22	EB-02	Total/NA	Water	537 (modified)	514062
500-203366-23	FB-02	Total/NA	Water	537 (modified)	514062

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QC Association Summary

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

Job ID: 500-203366-1

LCMS (Continued)

Analysis Batch: 514536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-24	FB-01	Total/NA	Water	537 (modified)	514062
MB 320-514062/1-A	Method Blank	Total/NA	Water	537 (modified)	514062
LCS 320-514062/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	514062
LCSD 320-514062/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	514062

Analysis Batch: 514827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-20	PZ-9	Total/NA	Water	537 (modified)	514062

Analysis Batch: 515763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	537 (modified)	514346
500-203366-2	B-6	Total/NA	Water	537 (modified)	514346
500-203366-3	B-11	Total/NA	Water	537 (modified)	514346
500-203366-6	PZ-5	Total/NA	Water	537 (modified)	514346
500-203366-7	PZ-5 DUP	Total/NA	Water	537 (modified)	514346
500-203366-10	MW-8	Total/NA	Water	537 (modified)	514346
500-203366-11	EB-01	Total/NA	Water	537 (modified)	514346
500-203366-12	B-5A	Total/NA	Water	537 (modified)	514346
500-203366-13	B-9	Total/NA	Water	537 (modified)	514346
500-203366-14	B-12	Total/NA	Water	537 (modified)	514346
500-203366-15	MW-2	Total/NA	Water	537 (modified)	514346
500-203366-16	MW-1	Total/NA	Water	537 (modified)	514346
MB 320-514346/1-A	Method Blank	Total/NA	Water	537 (modified)	514346
LCS 320-514346/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	514346
LCSD 320-514346/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	514346
500-203366-10 MS	MW-8	Total/NA	Water	537 (modified)	514346
500-203366-10 MSD	MW-8	Total/NA	Water	537 (modified)	514346

Prep Batch: 515852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-17	PZ-8	Total/NA	Water	3535	
500-203366-18	OMPZ-3	Total/NA	Water	3535	
500-203366-19	OMPZ-3 DUP	Total/NA	Water	3535	
MB 320-515852/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-515852/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-515852/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 516138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-17	PZ-8	Total/NA	Water	537 (modified)	515852
500-203366-18	OMPZ-3	Total/NA	Water	537 (modified)	515852
500-203366-19	OMPZ-3 DUP	Total/NA	Water	537 (modified)	515852
MB 320-515852/1-A	Method Blank	Total/NA	Water	537 (modified)	515852
LCS 320-515852/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	515852
LCSD 320-515852/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	515852

QC Association Summary

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

Job ID: 500-203366-1

Metals

Prep Batch: 613289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	3005A	
500-203366-2	B-6	Dissolved	Water	3005A	
500-203366-3	B-11	Dissolved	Water	3005A	
500-203366-4	PZ-10	Dissolved	Water	3005A	
500-203366-5	MW-10	Dissolved	Water	3005A	
500-203366-6	PZ-5	Dissolved	Water	3005A	
500-203366-7	PZ-5 DUP	Dissolved	Water	3005A	
500-203366-8	MW-5	Dissolved	Water	3005A	
500-203366-9	OMPZ-4	Dissolved	Water	3005A	
500-203366-10	MW-8	Dissolved	Water	3005A	
500-203366-11	EB-01	Dissolved	Water	3005A	
500-203366-12	B-5A	Dissolved	Water	3005A	
500-203366-13	B-9	Dissolved	Water	3005A	
500-203366-14	B-12	Dissolved	Water	3005A	
500-203366-15	MW-2	Dissolved	Water	3005A	
500-203366-16	MW-1	Dissolved	Water	3005A	
500-203366-17	PZ-8	Dissolved	Water	3005A	
500-203366-18	OMPZ-3	Dissolved	Water	3005A	
500-203366-19	OMPZ-3 DUP	Dissolved	Water	3005A	
500-203366-20	PZ-9	Dissolved	Water	3005A	
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-203366-10 DU	MW-8	Total Recoverable	Water	3005A	

Analysis Batch: 613533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	6020A	613289
500-203366-2	B-6	Dissolved	Water	6020A	613289
500-203366-3	B-11	Dissolved	Water	6020A	613289
500-203366-4	PZ-10	Dissolved	Water	6020A	613289
500-203366-5	MW-10	Dissolved	Water	6020A	613289
500-203366-6	PZ-5	Dissolved	Water	6020A	613289
500-203366-7	PZ-5 DUP	Dissolved	Water	6020A	613289
500-203366-8	MW-5	Dissolved	Water	6020A	613289
500-203366-9	OMPZ-4	Dissolved	Water	6020A	613289
500-203366-10	MW-8	Dissolved	Water	6020A	613289
500-203366-11	EB-01	Dissolved	Water	6020A	613289
500-203366-12	B-5A	Dissolved	Water	6020A	613289
500-203366-13	B-9	Dissolved	Water	6020A	613289
500-203366-14	B-12	Dissolved	Water	6020A	613289
500-203366-15	MW-2	Dissolved	Water	6020A	613289
500-203366-16	MW-1	Dissolved	Water	6020A	613289
500-203366-17	PZ-8	Dissolved	Water	6020A	613289
500-203366-18	OMPZ-3	Dissolved	Water	6020A	613289
500-203366-19	OMPZ-3 DUP	Dissolved	Water	6020A	613289
500-203366-20	PZ-9	Dissolved	Water	6020A	613289
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	6020A	613289
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613289
500-203366-10 DU	MW-8	Total Recoverable	Water	6020A	613289

QC Association Summary

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

Job ID: 500-203366-1

Metals

Prep Batch: 613717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-21	MW-9	Dissolved	Water	3005A	
500-203366-22	EB-02	Dissolved	Water	3005A	
MB 500-613717/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-613717/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 613754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	6020A	613289
500-203366-2	B-6	Dissolved	Water	6020A	613289
500-203366-3	B-11	Dissolved	Water	6020A	613289
500-203366-4	PZ-10	Dissolved	Water	6020A	613289
500-203366-5	MW-10	Dissolved	Water	6020A	613289
500-203366-6	PZ-5	Dissolved	Water	6020A	613289
500-203366-7	PZ-5 DUP	Dissolved	Water	6020A	613289
500-203366-8	MW-5	Dissolved	Water	6020A	613289
500-203366-9	OMPZ-4	Dissolved	Water	6020A	613289
500-203366-10	MW-8	Dissolved	Water	6020A	613289
500-203366-11	EB-01	Dissolved	Water	6020A	613289
500-203366-12	B-5A	Dissolved	Water	6020A	613289
500-203366-13	B-9	Dissolved	Water	6020A	613289
500-203366-14	B-12	Dissolved	Water	6020A	613289
500-203366-15	MW-2	Dissolved	Water	6020A	613289
500-203366-16	MW-1	Dissolved	Water	6020A	613289
500-203366-17	PZ-8	Dissolved	Water	6020A	613289
500-203366-18	OMPZ-3	Dissolved	Water	6020A	613289
500-203366-19	OMPZ-3 DUP	Dissolved	Water	6020A	613289
500-203366-20	PZ-9	Dissolved	Water	6020A	613289
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	6020A	613289
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613289
500-203366-10 DU	MW-8	Total Recoverable	Water	6020A	613289

Analysis Batch: 613958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-21	MW-9	Dissolved	Water	6020A	613717
500-203366-22	EB-02	Dissolved	Water	6020A	613717
MB 500-613717/1-A	Method Blank	Total Recoverable	Water	6020A	613717
LCS 500-613717/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613717

Prep Batch: 614166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	7470A	
500-203366-2	B-6	Dissolved	Water	7470A	
500-203366-3	B-11	Dissolved	Water	7470A	
500-203366-4	PZ-10	Dissolved	Water	7470A	
500-203366-5	MW-10	Dissolved	Water	7470A	
500-203366-6	PZ-5	Dissolved	Water	7470A	
500-203366-7	PZ-5 DUP	Dissolved	Water	7470A	
500-203366-8	MW-5	Dissolved	Water	7470A	
500-203366-9	OMPZ-4	Dissolved	Water	7470A	
500-203366-10	MW-8	Dissolved	Water	7470A	
500-203366-11	EB-01	Dissolved	Water	7470A	

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QC Association Summary

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

Job ID: 500-203366-1

Metals (Continued)

Prep Batch: 614166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-614166/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-614166/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-203366-10 DU	MW-8	Total/NA	Water	7470A	

Prep Batch: 614168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-12	B-5A	Dissolved	Water	7470A	
500-203366-13	B-9	Dissolved	Water	7470A	
500-203366-14	B-12	Dissolved	Water	7470A	
500-203366-15	MW-2	Dissolved	Water	7470A	
500-203366-16	MW-1	Dissolved	Water	7470A	
500-203366-17	PZ-8	Dissolved	Water	7470A	
500-203366-18	OMPZ-3	Dissolved	Water	7470A	
500-203366-19	OMPZ-3 DUP	Dissolved	Water	7470A	
500-203366-20	PZ-9	Dissolved	Water	7470A	
500-203366-21	MW-9	Dissolved	Water	7470A	
500-203366-22	EB-02	Dissolved	Water	7470A	
MB 500-614168/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-614168/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-203366-19 MS	OMPZ-3 DUP	Total/NA	Water	7470A	
500-203366-19 MSD	OMPZ-3 DUP	Total/NA	Water	7470A	
500-203366-19 DU	OMPZ-3 DUP	Total/NA	Water	7470A	

Analysis Batch: 614435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	7470A	614166
500-203366-2	B-6	Dissolved	Water	7470A	614166
500-203366-3	B-11	Dissolved	Water	7470A	614166
500-203366-4	PZ-10	Dissolved	Water	7470A	614166
500-203366-5	MW-10	Dissolved	Water	7470A	614166
500-203366-6	PZ-5	Dissolved	Water	7470A	614166
500-203366-7	PZ-5 DUP	Dissolved	Water	7470A	614166
500-203366-8	MW-5	Dissolved	Water	7470A	614166
500-203366-9	OMPZ-4	Dissolved	Water	7470A	614166
500-203366-10	MW-8	Dissolved	Water	7470A	614166
500-203366-11	EB-01	Dissolved	Water	7470A	614166
500-203366-12	B-5A	Dissolved	Water	7470A	614168
500-203366-13	B-9	Dissolved	Water	7470A	614168
500-203366-14	B-12	Dissolved	Water	7470A	614168
500-203366-15	MW-2	Dissolved	Water	7470A	614168
500-203366-16	MW-1	Dissolved	Water	7470A	614168
500-203366-17	PZ-8	Dissolved	Water	7470A	614168
500-203366-18	OMPZ-3	Dissolved	Water	7470A	614168
500-203366-19	OMPZ-3 DUP	Dissolved	Water	7470A	614168
500-203366-20	PZ-9	Dissolved	Water	7470A	614168
500-203366-21	MW-9	Dissolved	Water	7470A	614168
500-203366-22	EB-02	Dissolved	Water	7470A	614168
MB 500-614166/12-A	Method Blank	Total/NA	Water	7470A	614166
MB 500-614168/12-A	Method Blank	Total/NA	Water	7470A	614168
LCS 500-614166/13-A	Lab Control Sample	Total/NA	Water	7470A	614166
LCS 500-614168/13-A	Lab Control Sample	Total/NA	Water	7470A	614168

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QC Association Summary

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

Job ID: 500-203366-1

Metals (Continued)

Analysis Batch: 614435 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-19 MS	OMPZ-3 DUP	Total/NA	Water	7470A	614168
500-203366-19 MSD	OMPZ-3 DUP	Total/NA	Water	7470A	614168
500-203366-10 DU	MW-8	Total/NA	Water	7470A	614166
500-203366-19 DU	OMPZ-3 DUP	Total/NA	Water	7470A	614168

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Surrogate Summary

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

Job ID: 500-203366-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-203366-1	B-5	94	93	100	98
500-203366-2	B-6	94	92	99	97
500-203366-3	B-11	96	91	97	96
500-203366-4	PZ-10	94	92	96	97
500-203366-5	MW-10	92	91	98	96
500-203366-6	PZ-5	93	91	98	95
500-203366-7	PZ-5 DUP	94	93	101	97
500-203366-8	MW-5	95	90	100	96
500-203366-9	OMPZ-4	93	92	93	98
500-203366-10	MW-8	93	94	98	98
500-203366-10 MS	MW-8	89	96	100	100
500-203366-10 MSD	MW-8	88	97	98	100
500-203366-11	EB-01	94	91	89	98
500-203366-12	B-5A	93	91	90	100
500-203366-13	B-9	98	90	89	100
500-203366-14	B-12	95	93	95	99
500-203366-15	MW-2	96	93	95	98
500-203366-16	MW-1	95	92	93	98
500-203366-17	PZ-8	94	92	93	100
500-203366-18	OMPZ-3	97	92	93	99
500-203366-19	OMPZ-3 DUP	97	93	94	99
500-203366-20	PZ-9	95	92	93	98
500-203366-21	MW-9	95	91	94	99
500-203366-22	EB-02	92	108	105	98
500-203366-25	TRIP BLANK	93	92	92	98
LCS 500-614106/5	Lab Control Sample	88	97	101	99
LCS 500-614110/6	Lab Control Sample	91	95	93	98
LCS 500-614295/4	Lab Control Sample	91	109	105	96
MB 500-614106/7	Method Blank	94	94	100	96
MB 500-614110/8	Method Blank	93	92	93	97
MB 500-614295/6	Method Blank	91	108	104	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

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

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (30-120)	DCBP2 (30-140)
500-203366-11	EB-01	99	82
500-203366-13	B-9	91	108
LCS 500-613143/4-A	Lab Control Sample	78	97
LCSD 500-613143/5-A	Lab Control Sample Dup	80	101
MB 500-613143/1-A	Method Blank	76	94

Surrogate Legend

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Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Job ID: 500-203366-1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614106/7
Matrix: Water
Analysis Batch: 614106

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 10:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 10:54	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 10:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 10:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 10:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 10:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 10:54	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 10:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 10:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 10:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 10:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 10:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 10:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 10:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 10:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 10:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 10:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 10:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 10:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 10:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 10:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 10:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 10:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 10:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 10:54	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 10:54	1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614106/7
Matrix: Water
Analysis Batch: 614106

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 10:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 10:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 10:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 10:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 10:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 10:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 10:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/21 10:54	1
Dibromofluoromethane (Surr)	94		75 - 120		08/13/21 10:54	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/13/21 10:54	1
Toluene-d8 (Surr)	96		75 - 120		08/13/21 10:54	1

Lab Sample ID: LCS 500-614106/5
Matrix: Water
Analysis Batch: 614106

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.4		ug/L		93	70 - 120
Bromobenzene	50.0	44.0		ug/L		88	70 - 122
Bromochloromethane	50.0	46.0		ug/L		92	65 - 122
Bromodichloromethane	50.0	46.3		ug/L		93	69 - 120
Bromoform	50.0	42.2		ug/L		84	56 - 132
Bromomethane	50.0	54.3		ug/L		109	40 - 152
2-Butanone (MEK)	50.0	47.0		ug/L		94	46 - 144
Carbon tetrachloride	50.0	49.8		ug/L		100	59 - 133
Chlorobenzene	50.0	46.7		ug/L		93	70 - 120
Chloroethane	50.0	58.7		ug/L		117	48 - 136
Chloroform	50.0	45.8		ug/L		92	70 - 120
Chloromethane	50.0	40.9		ug/L		82	56 - 152
2-Chlorotoluene	50.0	43.9		ug/L		88	70 - 125
4-Chlorotoluene	50.0	44.2		ug/L		88	68 - 124
cis-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 125
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	64 - 127
Dibromochloromethane	50.0	45.4		ug/L		91	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	36.2		ug/L		72	56 - 123
1,2-Dibromoethane	50.0	46.1		ug/L		92	70 - 125
Dibromomethane	50.0	45.6		ug/L		91	70 - 120
1,2-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 125
1,3-Dichlorobenzene	50.0	45.5		ug/L		91	70 - 125
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 500-614106/5
Matrix: Water
Analysis Batch: 614106

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	38.5		ug/L		77	40 - 159
1,1-Dichloroethane	50.0	44.6		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	48.9		ug/L		98	68 - 127
1,1-Dichloroethene	50.0	44.3		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	47.4		ug/L		95	67 - 130
1,3-Dichloropropane	50.0	45.8		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	42.0		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	46.9		ug/L		94	70 - 121
Ethylbenzene	50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	51.1		ug/L		102	51 - 150
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 126
Methylene Chloride	50.0	45.5		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	44.9		ug/L		90	55 - 123
Naphthalene	50.0	42.2		ug/L		84	53 - 144
n-Butylbenzene	50.0	45.5		ug/L		91	68 - 125
N-Propylbenzene	50.0	43.5		ug/L		87	69 - 127
p-Isopropyltoluene	50.0	46.0		ug/L		92	70 - 125
sec-Butylbenzene	50.0	45.2		ug/L		90	70 - 123
Styrene	50.0	45.9		ug/L		92	70 - 120
tert-Butylbenzene	50.0	44.7		ug/L		89	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.4		ug/L		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.2		ug/L		80	62 - 140
Tetrachloroethene	50.0	50.9		ug/L		102	70 - 128
Toluene	50.0	46.2		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 125
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	62 - 128
1,2,3-Trichlorobenzene	50.0	45.4		ug/L		91	51 - 145
1,2,4-Trichlorobenzene	50.0	46.2		ug/L		92	57 - 137
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	70 - 125
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	71 - 130
Trichloroethene	50.0	47.7		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	50.2		ug/L		100	55 - 128
1,2,3-Trichloropropane	50.0	43.6		ug/L		87	50 - 133
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 123
1,3,5-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 123
Vinyl chloride	50.0	47.6		ug/L		95	64 - 126
Xylenes, Total	100	91.4		ug/L		91	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
Toluene-d8 (Surr)	99		75 - 120

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MS

Matrix: Water

Analysis Batch: 614106

Client Sample ID: MW-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	51.4		ug/L		103	70 - 120
Bromobenzene	<0.36		50.0	48.8		ug/L		98	70 - 122
Bromochloromethane	<0.43		50.0	50.5		ug/L		101	65 - 122
Bromodichloromethane	<0.37		50.0	48.9		ug/L		98	69 - 120
Bromoform	<0.48		50.0	41.5		ug/L		83	56 - 132
Bromomethane	<0.80		50.0	59.6		ug/L		119	40 - 152
2-Butanone (MEK)	<2.1		50.0	45.4		ug/L		91	46 - 144
Carbon tetrachloride	<0.38		50.0	55.1		ug/L		110	59 - 133
Chlorobenzene	<0.39		50.0	50.2		ug/L		100	70 - 120
Chloroethane	<0.51		50.0	39.6		ug/L		79	48 - 136
Chloroform	<0.37		50.0	50.2		ug/L		100	70 - 120
Chloromethane	<0.32		50.0	43.4		ug/L		87	56 - 152
2-Chlorotoluene	<0.31		50.0	49.1		ug/L		98	70 - 125
4-Chlorotoluene	<0.35		50.0	48.9		ug/L		98	68 - 124
cis-1,2-Dichloroethene	100		50.0	152		ug/L		103	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	48.2		ug/L		96	64 - 127
Dibromochloromethane	<0.49		50.0	45.8		ug/L		92	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	35.8		ug/L		72	56 - 123
1,2-Dibromoethane	<0.39		50.0	46.9		ug/L		94	70 - 125
Dibromomethane	<0.27		50.0	48.6		ug/L		97	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	49.4		ug/L		99	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	50.2		ug/L		100	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	49.3		ug/L		99	70 - 120
Dichlorodifluoromethane	<0.67		50.0	42.6		ug/L		85	40 - 159
1,1-Dichloroethane	<0.41		50.0	50.3		ug/L		101	70 - 125
1,2-Dichloroethane	<0.39		50.0	52.5		ug/L		105	68 - 127
1,1-Dichloroethene	<0.39		50.0	48.4		ug/L		97	67 - 122
1,2-Dichloropropane	<0.43		50.0	50.5		ug/L		101	67 - 130
1,3-Dichloropropane	<0.36		50.0	48.1		ug/L		96	62 - 136
2,2-Dichloropropane	<0.44		50.0	52.4		ug/L		105	58 - 139
1,1-Dichloropropene	<0.30		50.0	52.2		ug/L		104	70 - 121
Ethylbenzene	<0.18		50.0	50.1		ug/L		100	70 - 123
Hexachlorobutadiene	<0.45		50.0	56.6		ug/L		113	51 - 150
Isopropylbenzene	<0.39		50.0	50.0		ug/L		100	70 - 126
Methylene Chloride	<1.6		50.0	49.3		ug/L		99	69 - 125
Methyl tert-butyl ether	<0.39		50.0	47.7		ug/L		95	55 - 123
Naphthalene	<0.34		50.0	46.4		ug/L		93	53 - 144
n-Butylbenzene	<0.39		50.0	50.6		ug/L		101	68 - 125
N-Propylbenzene	<0.41		50.0	49.3		ug/L		99	69 - 127
p-Isopropyltoluene	<0.36		50.0	51.8		ug/L		104	70 - 125
sec-Butylbenzene	<0.40		50.0	51.8		ug/L		104	70 - 123
Styrene	<0.39		50.0	49.2		ug/L		98	70 - 120
tert-Butylbenzene	<0.40		50.0	51.3		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.4		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.1		ug/L		84	62 - 140
Tetrachloroethene	15		50.0	71.4		ug/L		114	70 - 128
Toluene	<0.15		50.0	50.6		ug/L		101	70 - 125
trans-1,2-Dichloroethene	1.7		50.0	51.7		ug/L		100	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MS

Matrix: Water

Analysis Batch: 614106

Client Sample ID: MW-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	<0.36		50.0	44.9		ug/L		90	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	49.2		ug/L		98	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	47.8		ug/L		96	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	56.0		ug/L		112	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	49.2		ug/L		98	71 - 130
Trichloroethene	8.5		50.0	61.1		ug/L		105	70 - 125
Trichlorofluoromethane	<0.43		50.0	53.9		ug/L		108	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	44.3		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	50.2		ug/L		100	70 - 123
Vinyl chloride	3.2		50.0	52.9		ug/L		99	64 - 126
Xylenes, Total	<0.22		100	100		ug/L		100	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	89		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	100		75 - 126
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-203366-10 MSD

Matrix: Water

Analysis Batch: 614106

Client Sample ID: MW-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	52.2		ug/L		104	70 - 120	2	20
Bromobenzene	<0.36		50.0	49.8		ug/L		100	70 - 122	2	20
Bromochloromethane	<0.43		50.0	50.9		ug/L		102	65 - 122	1	20
Bromodichloromethane	<0.37		50.0	50.4		ug/L		101	69 - 120	3	20
Bromoform	<0.48		50.0	43.1		ug/L		86	56 - 132	4	20
Bromomethane	<0.80		50.0	51.0		ug/L		102	40 - 152	16	20
2-Butanone (MEK)	<2.1		50.0	46.3		ug/L		93	46 - 144	2	20
Carbon tetrachloride	<0.38		50.0	56.9		ug/L		114	59 - 133	3	20
Chlorobenzene	<0.39		50.0	52.3		ug/L		105	70 - 120	4	20
Chloroethane	<0.51		50.0	32.9		ug/L		66	48 - 136	18	20
Chloroform	<0.37		50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane	<0.32		50.0	40.1		ug/L		80	56 - 152	8	20
2-Chlorotoluene	<0.31		50.0	49.8		ug/L		100	70 - 125	1	20
4-Chlorotoluene	<0.35		50.0	49.4		ug/L		99	68 - 124	1	20
cis-1,2-Dichloroethene	100		50.0	155		ug/L		110	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	49.3		ug/L		99	64 - 127	2	20
Dibromochloromethane	<0.49		50.0	48.6		ug/L		97	68 - 125	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	37.7		ug/L		75	56 - 123	5	20
1,2-Dibromoethane	<0.39		50.0	48.6		ug/L		97	70 - 125	4	20
Dibromomethane	<0.27		50.0	48.4		ug/L		97	70 - 120	0	20
1,2-Dichlorobenzene	<0.33		50.0	50.2		ug/L		100	70 - 125	2	20
1,3-Dichlorobenzene	<0.40		50.0	50.6		ug/L		101	70 - 125	1	20
1,4-Dichlorobenzene	<0.36		50.0	50.3		ug/L		101	70 - 120	2	20
Dichlorodifluoromethane	<0.67		50.0	38.6		ug/L		77	40 - 159	10	20

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 614106

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	<0.41		50.0	50.9		ug/L		102	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	54.3		ug/L		109	68 - 127	3	20
1,1-Dichloroethene	<0.39		50.0	49.0		ug/L		98	67 - 122	1	20
1,2-Dichloropropane	<0.43		50.0	52.5		ug/L		105	67 - 130	4	20
1,3-Dichloropropane	<0.36		50.0	48.9		ug/L		98	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	54.4		ug/L		109	58 - 139	4	20
1,1-Dichloropropene	<0.30		50.0	52.4		ug/L		105	70 - 121	1	20
Ethylbenzene	<0.18		50.0	52.0		ug/L		104	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	56.0		ug/L		112	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	50.7		ug/L		101	70 - 126	1	20
Methylene Chloride	<1.6		50.0	50.9		ug/L		102	69 - 125	3	20
Methyl tert-butyl ether	<0.39		50.0	48.7		ug/L		97	55 - 123	2	20
Naphthalene	<0.34		50.0	49.6		ug/L		99	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	51.0		ug/L		102	68 - 125	1	20
N-Propylbenzene	<0.41		50.0	50.0		ug/L		100	69 - 127	1	20
p-Isopropyltoluene	<0.36		50.0	51.5		ug/L		103	70 - 125	0	20
sec-Butylbenzene	<0.40		50.0	51.2		ug/L		102	70 - 123	1	20
Styrene	<0.39		50.0	51.3		ug/L		103	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	51.3		ug/L		103	70 - 121	0	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.1		ug/L		102	70 - 125	3	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.7		ug/L		85	62 - 140	1	20
Tetrachloroethene	15		50.0	73.0		ug/L		117	70 - 128	2	20
Toluene	<0.15		50.0	52.4		ug/L		105	70 - 125	3	20
trans-1,2-Dichloroethene	1.7		50.0	52.6		ug/L		102	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	46.8		ug/L		94	62 - 128	4	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.2		ug/L		106	51 - 145	8	20
1,2,4-Trichlorobenzene	<0.34		50.0	50.6		ug/L		101	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	57.4		ug/L		115	70 - 125	3	20
1,1,2-Trichloroethane	<0.35		50.0	51.8		ug/L		104	71 - 130	5	20
Trichloroethene	8.5		50.0	62.4		ug/L		108	70 - 125	2	20
Trichlorofluoromethane	<0.43		50.0	50.8		ug/L		102	55 - 128	6	20
1,2,3-Trichloropropane	<0.41		50.0	45.0		ug/L		90	50 - 133	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	50.1		ug/L		100	70 - 123	0	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.5		ug/L		101	70 - 123	0	20
Vinyl chloride	3.2		50.0	49.6		ug/L		93	64 - 126	6	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	98		75 - 126
Toluene-d8 (Surr)	100		75 - 120

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614110/8
Matrix: Water
Analysis Batch: 614110

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 11:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 11:26	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 11:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 11:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 11:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 11:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 11:26	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 11:26	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 11:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 11:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 11:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 11:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 11:26	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 11:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 11:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 11:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 11:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 11:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 11:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 11:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 11:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 11:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 11:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 11:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 11:26	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 11:26	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614110/8
Matrix: Water
Analysis Batch: 614110

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 11:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 11:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 11:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 11:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 11:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 11:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 11:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 11:26	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	93		72 - 124		08/13/21 11:26	1
Dibromofluoromethane (Surr)	92		75 - 120		08/13/21 11:26	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		08/13/21 11:26	1
Toluene-d8 (Surr)	97		75 - 120		08/13/21 11:26	1

Lab Sample ID: LCS 500-614110/6
Matrix: Water
Analysis Batch: 614110

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	44.1		ug/L		88	70 - 122
Bromochloromethane	50.0	44.4		ug/L		89	65 - 122
Bromodichloromethane	50.0	42.3		ug/L		85	69 - 120
Bromoform	50.0	44.4		ug/L		89	56 - 132
Bromomethane	50.0	42.6		ug/L		85	40 - 152
2-Butanone (MEK)	50.0	36.4		ug/L		73	46 - 144
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	44.7		ug/L		89	70 - 120
Chloroethane	50.0	33.5		ug/L		67	48 - 136
Chloroform	50.0	42.3		ug/L		85	70 - 120
Chloromethane	50.0	34.7		ug/L		69	56 - 152
2-Chlorotoluene	50.0	41.2		ug/L		82	70 - 125
4-Chlorotoluene	50.0	41.3		ug/L		83	68 - 124
cis-1,2-Dichloroethene	50.0	42.2		ug/L		84	70 - 125
cis-1,3-Dichloropropene	50.0	44.3		ug/L		89	64 - 127
Dibromochloromethane	50.0	45.1		ug/L		90	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	46.3		ug/L		93	70 - 125
Dibromomethane	50.0	44.9		ug/L		90	70 - 120
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 125
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 500-614110/6
Matrix: Water
Analysis Batch: 614110

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	38.5		ug/L		77	40 - 159
1,1-Dichloroethane	50.0	40.5		ug/L		81	70 - 125
1,2-Dichloroethane	50.0	42.3		ug/L		85	68 - 127
1,1-Dichloroethene	50.0	41.4		ug/L		83	67 - 122
1,2-Dichloropropane	50.0	42.2		ug/L		84	67 - 130
1,3-Dichloropropane	50.0	45.9		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	39.2		ug/L		78	58 - 139
1,1-Dichloropropene	50.0	42.7		ug/L		85	70 - 121
Ethylbenzene	50.0	44.0		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	46.7		ug/L		93	51 - 150
Isopropylbenzene	50.0	41.8		ug/L		84	70 - 126
Methylene Chloride	50.0	41.6		ug/L		83	69 - 125
Methyl tert-butyl ether	50.0	44.0		ug/L		88	55 - 123
Naphthalene	50.0	50.3		ug/L		101	53 - 144
n-Butylbenzene	50.0	41.6		ug/L		83	68 - 125
N-Propylbenzene	50.0	41.1		ug/L		82	69 - 127
p-Isopropyltoluene	50.0	42.7		ug/L		85	70 - 125
sec-Butylbenzene	50.0	41.2		ug/L		82	70 - 123
Styrene	50.0	44.4		ug/L		89	70 - 120
tert-Butylbenzene	50.0	42.4		ug/L		85	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.9		ug/L		86	62 - 140
Tetrachloroethene	50.0	47.3		ug/L		95	70 - 128
Toluene	50.0	44.1		ug/L		88	70 - 125
trans-1,2-Dichloroethene	50.0	41.1		ug/L		82	70 - 125
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	62 - 128
1,2,3-Trichlorobenzene	50.0	52.0		ug/L		104	51 - 145
1,2,4-Trichlorobenzene	50.0	50.1		ug/L		100	57 - 137
1,1,1-Trichloroethane	50.0	41.9		ug/L		84	70 - 125
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	71 - 130
Trichloroethene	50.0	45.9		ug/L		92	70 - 125
Trichlorofluoromethane	50.0	44.6		ug/L		89	55 - 128
1,2,3-Trichloropropane	50.0	44.1		ug/L		88	50 - 133
1,2,4-Trimethylbenzene	50.0	42.2		ug/L		84	70 - 123
1,3,5-Trimethylbenzene	50.0	42.0		ug/L		84	70 - 123
Vinyl chloride	50.0	41.4		ug/L		83	64 - 126
Xylenes, Total	100	84.9		ug/L		85	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	93		75 - 126
Toluene-d8 (Surr)	98		75 - 120

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614295/6
Matrix: Water
Analysis Batch: 614295

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/15/21 12:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/15/21 12:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/15/21 12:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/15/21 12:40	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/15/21 12:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/15/21 12:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/15/21 12:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/15/21 12:40	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/15/21 12:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/15/21 12:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/15/21 12:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/15/21 12:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/15/21 12:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/15/21 12:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/15/21 12:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/15/21 12:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/15/21 12:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/15/21 12:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/15/21 12:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/15/21 12:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/15/21 12:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/15/21 12:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/15/21 12:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/15/21 12:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/15/21 12:40	1
Toluene	<0.15		0.50	0.15	ug/L			08/15/21 12:40	1

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-614295/6
Matrix: Water
Analysis Batch: 614295

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/15/21 12:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/15/21 12:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/15/21 12:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/15/21 12:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/15/21 12:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/15/21 12:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/15/21 12:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/15/21 12:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	91		72 - 124		08/15/21 12:40	1
Dibromofluoromethane (Surr)	108		75 - 120		08/15/21 12:40	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		08/15/21 12:40	1
Toluene-d8 (Surr)	97		75 - 120		08/15/21 12:40	1

Lab Sample ID: LCS 500-614295/4
Matrix: Water
Analysis Batch: 614295

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	44.7		ug/L		89	70 - 122
Bromochloromethane	50.0	52.0		ug/L		104	65 - 122
Bromodichloromethane	50.0	49.4		ug/L		99	69 - 120
Bromoform	50.0	50.6		ug/L		101	56 - 132
Bromomethane	50.0	67.1		ug/L		134	40 - 152
2-Butanone (MEK)	50.0	50.6		ug/L		101	46 - 144
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	45.5		ug/L		91	70 - 120
Chloroethane	50.0	46.6		ug/L		93	48 - 136
Chloroform	50.0	47.3		ug/L		95	70 - 120
Chloromethane	50.0	33.4		ug/L		67	56 - 152
2-Chlorotoluene	50.0	43.8		ug/L		88	70 - 125
4-Chlorotoluene	50.0	43.9		ug/L		88	68 - 124
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	47.9		ug/L		96	64 - 127
Dibromochloromethane	50.0	48.0		ug/L		96	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.2		ug/L		90	56 - 123
1,2-Dibromoethane	50.0	46.4		ug/L		93	70 - 125
Dibromomethane	50.0	55.2		ug/L		110	70 - 120
1,2-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 125
1,3-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	44.2		ug/L		88	70 - 120

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 500-614295/4
Matrix: Water
Analysis Batch: 614295

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	37.7		ug/L		75	40 - 159
1,1-Dichloroethane	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	45.6		ug/L		91	68 - 127
1,1-Dichloroethene	50.0	45.7		ug/L		91	67 - 122
1,2-Dichloropropane	50.0	45.8		ug/L		92	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	49.2		ug/L		98	58 - 139
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 121
Ethylbenzene	50.0	44.6		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	43.3		ug/L		87	51 - 150
Isopropylbenzene	50.0	45.2		ug/L		90	70 - 126
Methylene Chloride	50.0	46.3		ug/L		93	69 - 125
Methyl tert-butyl ether	50.0	45.5		ug/L		91	55 - 123
Naphthalene	50.0	40.0		ug/L		80	53 - 144
n-Butylbenzene	50.0	45.9		ug/L		92	68 - 125
N-Propylbenzene	50.0	44.8		ug/L		90	69 - 127
p-Isopropyltoluene	50.0	44.2		ug/L		88	70 - 125
sec-Butylbenzene	50.0	44.9		ug/L		90	70 - 123
Styrene	50.0	47.4		ug/L		95	70 - 120
tert-Butylbenzene	50.0	42.7		ug/L		85	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.6		ug/L		91	62 - 140
Tetrachloroethene	50.0	45.0		ug/L		90	70 - 128
Toluene	50.0	45.8		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	47.0		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	62 - 128
1,2,3-Trichlorobenzene	50.0	39.8		ug/L		80	51 - 145
1,2,4-Trichlorobenzene	50.0	42.3		ug/L		85	57 - 137
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	71 - 130
Trichloroethene	50.0	51.5		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	51.6		ug/L		103	55 - 128
1,2,3-Trichloropropane	50.0	48.6		ug/L		97	50 - 133
1,2,4-Trimethylbenzene	50.0	44.7		ug/L		89	70 - 123
1,3,5-Trimethylbenzene	50.0	44.0		ug/L		88	70 - 123
Vinyl chloride	50.0	43.8		ug/L		88	64 - 126
Xylenes, Total	100	88.4		ug/L		88	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
Toluene-d8 (Surr)	96		75 - 120

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-613143/1-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613143

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.067		0.40	0.067	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1221	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1232	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1242	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1248	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1254	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1260	<0.070		0.40	0.070	ug/L		08/06/21 19:21	08/09/21 16:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	76		30 - 120	08/06/21 19:21	08/09/21 16:55	1
DCB Decachlorobiphenyl	94		30 - 140	08/06/21 19:21	08/09/21 16:55	1

Lab Sample ID: LCS 500-613143/4-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613143

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	4.00	3.81		ug/L		95	56 - 120
PCB-1260	4.00	4.52		ug/L		113	53 - 137

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	78		30 - 120
DCB Decachlorobiphenyl	97		30 - 140

Lab Sample ID: LCSD 500-613143/5-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613143

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
PCB-1016	4.00	3.90		ug/L		98	56 - 120	2	20
PCB-1260	4.00	4.63		ug/L		116	53 - 137	3	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	80		30 - 120
DCB Decachlorobiphenyl	101		30 - 140

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-514062/1-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514062

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/06/21 20:10	08/09/21 15:48	1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 320-514062/1-A

Matrix: Water

Analysis Batch: 514536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 514062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/06/21 20:10	08/09/21 15:48	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/06/21 20:10	08/09/21 15:48	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/06/21 20:10	08/09/21 15:48	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/06/21 20:10	08/09/21 15:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/06/21 20:10	08/09/21 15:48	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/06/21 20:10	08/09/21 15:48	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/06/21 20:10	08/09/21 15:48	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/06/21 20:10	08/09/21 15:48	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C5 PFPeA	91		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 PFHxA	101		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C4 PFHpA	101		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C4 PFOA	101		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C5 PFNA	102		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 PFDA	114		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 PFUnA	112		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 PFDoA	92		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 PFTeDA	97		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C3 PFBS	91		25 - 150	08/06/21 20:10	08/09/21 15:48	1
18O2 PFHxS	95		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C4 PFOS	95		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C8 FOSA	99		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d3-NMeFOSAA	94		25 - 150	08/06/21 20:10	08/09/21 15:48	1
d5-NEtFOSAA	102		25 - 150	08/06/21 20:10	08/09/21 15:48	1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 320-514062/1-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514062

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d-N-MeFOSA-M	86		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d-N-EtFOSA-M	83		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d7-N-MeFOSE-M	85		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d9-N-EtFOSE-M	96		10 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-4:2 FTS	112		25 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-6:2 FTS	132		25 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-8:2 FTS	124		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C3 HFPO-DA	102		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 10:2 FTS	122		25 - 150	08/06/21 20:10	08/09/21 15:48	1

Lab Sample ID: LCS 320-514062/2-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Perfluorobutanoic acid (PFBA)	40.0	45.4		ng/L		114	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.3		ng/L		98	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.4		ng/L		99	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	41.5		ng/L		104	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	41.7		ng/L		104	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.4		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	36.0		ng/L		90	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.1		ng/L		100	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.5		ng/L		99	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	42.4		ng/L		106	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.7		ng/L		102	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	38.6		ng/L		109	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	43.6		ng/L		116	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.2		ng/L		100	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.6		ng/L		99	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	38.0		ng/L		102	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	37.0		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.1		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.2		ng/L		101	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.0		ng/L		90	60 - 135
NEtFOSA	40.0	35.0		ng/L		88	60 - 135
NMeFOSA	40.0	41.4		ng/L		103	60 - 135
NMeFOSAA	40.0	47.7		ng/L		119	60 - 135
NEtFOSAA	40.0	39.5		ng/L		99	60 - 135

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 320-514062/2-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
NMeFOSE	40.0	44.2		ng/L		110	60 - 135
NEtFOSE	40.0	39.9		ng/L		100	60 - 135
4:2 FTS	37.4	37.3		ng/L		100	60 - 135
6:2 FTS	37.9	33.4		ng/L		88	60 - 135
8:2 FTS	38.3	33.4		ng/L		87	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	39.2		ng/L		104	60 - 135
HFPO-DA (GenX)	40.0	40.9		ng/L		102	60 - 135
9Cl-PF3ONS	37.3	34.4		ng/L		92	60 - 135
11Cl-PF3OUdS	37.7	35.1		ng/L		93	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	94		25 - 150
13C5 PFPeA	103		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	106		25 - 150
13C5 PFNA	107		25 - 150
13C2 PFDA	115		25 - 150
13C2 PFUnA	117		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	113		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	99		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	100		10 - 150
d3-NMeFOSAA	96		25 - 150
d5-NEtFOSAA	106		25 - 150
d-N-MeFOSA-M	93		10 - 150
d-N-EtFOSA-M	89		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	100		10 - 150
M2-4:2 FTS	122		25 - 150
M2-6:2 FTS	127		25 - 150
M2-8:2 FTS	124		25 - 150
13C3 HFPO-DA	105		25 - 150
13C2 10:2 FTS	127		25 - 150

Lab Sample ID: LCSD 320-514062/3-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	42.1		ng/L		105	60 - 135	8	30
Perfluoropentanoic acid (PFPeA)	40.0	42.2		ng/L		105	60 - 135	7	30
Perfluorohexanoic acid (PFHxA)	40.0	40.4		ng/L		101	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	38.7		ng/L		97	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	42.8		ng/L		107	60 - 135	2	30
Perfluorononanoic acid (PFNA)	40.0	40.0		ng/L		100	60 - 135	1	30

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCSD 320-514062/3-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid (PFDA)	40.0	33.5		ng/L		84	60 - 135	7	30
Perfluoroundecanoic acid (PFUnA)	40.0	39.5		ng/L		99	60 - 135	2	30
Perfluorododecanoic acid (PFDoA)	40.0	38.7		ng/L		97	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)	40.0	40.6		ng/L		101	60 - 135	4	30
Perfluorotetradecanoic acid (PFTeA)	40.0	40.5		ng/L		101	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)	35.4	37.1		ng/L		105	60 - 135	4	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	44.5		ng/L		119	60 - 135	2	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.6		ng/L		100	60 - 135	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.0		ng/L		100	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)	37.1	37.1		ng/L		100	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)	38.4	39.4		ng/L		103	60 - 135	6	30
Perfluorodecanesulfonic acid (PFDS)	38.6	39.6		ng/L		103	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	42.0		ng/L		108	60 - 135	7	30
Perfluorooctanesulfonamide (FOSA)	40.0	36.7		ng/L		92	60 - 135	2	30
NEtFOSA	40.0	38.7		ng/L		97	60 - 135	10	30
NMeFOSA	40.0	42.5		ng/L		106	60 - 135	3	30
NMeFOSAA	40.0	48.0		ng/L		120	60 - 135	1	30
NEtFOSAA	40.0	42.9		ng/L		107	60 - 135	8	30
NMeFOSE	40.0	41.1		ng/L		103	60 - 135	7	30
NEtFOSE	40.0	42.9		ng/L		107	60 - 135	7	30
4:2 FTS	37.4	39.6		ng/L		106	60 - 135	6	30
6:2 FTS	37.9	32.7		ng/L		86	60 - 135	2	30
8:2 FTS	38.3	34.5		ng/L		90	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	40.3		ng/L		107	60 - 135	3	30
HFPO-DA (GenX)	40.0	38.2		ng/L		95	60 - 135	7	30
9Cl-PF3ONS	37.3	35.8		ng/L		96	60 - 135	4	30
11Cl-PF3OUdS	37.7	37.6		ng/L		100	60 - 135	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	96		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	108		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	108		25 - 150
13C2 PFDA	115		25 - 150
13C2 PFUnA	116		25 - 150
13C2 PFDoA	102		25 - 150

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCSD 320-514062/3-A

Matrix: Water

Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 514062

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFTeDA	104		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	98		10 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	100		25 - 150
d-N-MeFOSA-M	84		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	91		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	119		25 - 150
M2-6:2 FTS	126		25 - 150
M2-8:2 FTS	128		25 - 150
13C3 HFPO-DA	104		25 - 150
13C2 10:2 FTS	124		25 - 150

Lab Sample ID: MB 320-514346/1-A

Matrix: Water

Analysis Batch: 515763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 514346

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/09/21 05:29	08/13/21 17:39	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/09/21 05:29	08/13/21 17:39	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/09/21 05:29	08/13/21 17:39	1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 320-514346/1-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.85		2.0	0.85	ng/L		08/09/21 05:29	08/13/21 17:39	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 17:39	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/09/21 05:29	08/13/21 17:39	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/09/21 05:29	08/13/21 17:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/09/21 05:29	08/13/21 17:39	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/09/21 05:29	08/13/21 17:39	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 17:39	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 17:39	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C5 PFPeA	95		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 PFHxA	90		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C4 PFHpA	99		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C4 PFOA	96		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C5 PFNA	95		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 PFDA	103		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 PFUnA	98		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 PFDoA	101		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 PFTeDA	104		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C3 PFBS	105		25 - 150	08/09/21 05:29	08/13/21 17:39	1
18O2 PFHxS	94		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C4 PFOS	94		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C8 FOSA	90		10 - 150	08/09/21 05:29	08/13/21 17:39	1
d3-NMeFOSAA	92		25 - 150	08/09/21 05:29	08/13/21 17:39	1
d5-NEtFOSAA	95		25 - 150	08/09/21 05:29	08/13/21 17:39	1
d-N-MeFOSA-M	69		10 - 150	08/09/21 05:29	08/13/21 17:39	1
d-N-EtFOSA-M	71		10 - 150	08/09/21 05:29	08/13/21 17:39	1
d7-N-MeFOSE-M	82		10 - 150	08/09/21 05:29	08/13/21 17:39	1
d9-N-EtFOSE-M	89		10 - 150	08/09/21 05:29	08/13/21 17:39	1
M2-4:2 FTS	89		25 - 150	08/09/21 05:29	08/13/21 17:39	1
M2-6:2 FTS	100		25 - 150	08/09/21 05:29	08/13/21 17:39	1
M2-8:2 FTS	97		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C3 HFPO-DA	97		25 - 150	08/09/21 05:29	08/13/21 17:39	1
13C2 10:2 FTS	105		25 - 150	08/09/21 05:29	08/13/21 17:39	1

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	43.4		ng/L		108	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	43.4		ng/L		108	60 - 135
Perfluoroheptanoic acid (PFHxA)	40.0	43.0		ng/L		107	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.2		ng/L		106	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	45.3		ng/L		113	60 - 135
Perfluorononanoic acid (PFNA)	40.0	44.3		ng/L		111	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.1		ng/L		98	60 - 135

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroundecanoic acid (PFUnA)	40.0	44.8		ng/L		112	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.4		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	43.4		ng/L		109	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	44.2		ng/L		111	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.0		ng/L		104	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.7		ng/L		104	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.2		ng/L		108	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.3		ng/L		108	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.6		ng/L		106	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	40.0		ng/L		104	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	41.9		ng/L		108	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.3		ng/L		98	60 - 135
NEtFOSA	40.0	35.8		ng/L		89	60 - 135
NMeFOSA	40.0	42.6		ng/L		107	60 - 135
NMeFOSAA	40.0	42.4		ng/L		106	60 - 135
NEtFOSAA	40.0	41.1		ng/L		103	60 - 135
NMeFOSE	40.0	41.7		ng/L		104	60 - 135
NEtFOSE	40.0	45.0		ng/L		113	60 - 135
4:2 FTS	37.4	40.5		ng/L		108	60 - 135
6:2 FTS	37.9	34.2		ng/L		90	60 - 135
8:2 FTS	38.3	36.5		ng/L		95	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	41.5		ng/L		110	60 - 135
HFPO-DA (GenX)	40.0	39.8		ng/L		100	60 - 135
9Cl-PF3ONS	37.3	38.3		ng/L		103	60 - 135
11Cl-PF3OUdS	37.7	38.4		ng/L		102	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	96		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	109		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	104		25 - 150

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C3 PFBS	109		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	105		25 - 150
d-N-MeFOSA-M	78		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	93		10 - 150
d9-N-EtFOSE-M	92		10 - 150
M2-4:2 FTS	98		25 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	103		25 - 150
13C2 10:2 FTS	106		25 - 150

Lab Sample ID: LCSD 320-514346/3-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514346

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	
								<i>RPD</i>	<i>Limit</i>
Perfluorobutanoic acid (PFBA)	40.0	46.0		ng/L		115	60 - 135	6	30
Perfluoropentanoic acid (PFPeA)	40.0	41.9		ng/L		105	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)	40.0	41.3		ng/L		103	60 - 135	4	30
Perfluoroheptanoic acid (PFHpA)	40.0	42.3		ng/L		106	60 - 135	0	30
Perfluorooctanoic acid (PFOA)	40.0	44.0		ng/L		110	60 - 135	3	30
Perfluorononanoic acid (PFNA)	40.0	45.9		ng/L		115	60 - 135	4	30
Perfluorodecanoic acid (PFDA)	40.0	40.7		ng/L		102	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)	40.0	40.3		ng/L		101	60 - 135	11	30
Perfluorododecanoic acid (PFDoA)	40.0	41.5		ng/L		104	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)	40.0	43.6		ng/L		109	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)	40.0	42.7		ng/L		107	60 - 135	4	30
Perfluorobutanesulfonic acid (PFBS)	35.4	33.4		ng/L		94	60 - 135	5	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.1		ng/L		107	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.5		ng/L		98	60 - 135	6	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.6		ng/L		107	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)	37.1	39.4		ng/L		106	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)	38.4	38.8		ng/L		101	60 - 135	5	30
Perfluorodecanesulfonic acid (PFDS)	38.6	41.2		ng/L		107	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	41.0		ng/L		106	60 - 135	2	30

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCSD 320-514346/3-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide (FOSA)	40.0	38.7		ng/L		97	60 - 135	1	30
NEtFOSA	40.0	36.1		ng/L		90	60 - 135	1	30
NMeFOSA	40.0	42.7		ng/L		107	60 - 135	0	30
NMeFOSAA	40.0	42.1		ng/L		105	60 - 135	1	30
NEtFOSAA	40.0	44.7		ng/L		112	60 - 135	8	30
NMeFOSE	40.0	45.1		ng/L		113	60 - 135	8	30
NEtFOSE	40.0	43.7		ng/L		109	60 - 135	3	30
4:2 FTS	37.4	39.5		ng/L		106	60 - 135	2	30
6:2 FTS	37.9	35.8		ng/L		94	60 - 135	5	30
8:2 FTS	38.3	34.8		ng/L		91	60 - 135	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	40.2		ng/L		107	60 - 135	3	30
HFPO-DA (GenX)	40.0	41.3		ng/L		103	60 - 135	4	30
9Cl-PF3ONS	37.3	37.2		ng/L		100	60 - 135	3	30
11Cl-PF3OUdS	37.7	40.4		ng/L		107	60 - 135	5	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	96		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	103		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	102		25 - 150
13C3 PFBS	107		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	94		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	98		25 - 150
d5-NEtFOSAA	96		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	78		10 - 150
d7-N-MeFOSE-M	85		10 - 150
d9-N-EtFOSE-M	91		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	98		25 - 150
13C3 HFPO-DA	103		25 - 150
13C2 10:2 FTS	102		25 - 150

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MS

Matrix: Water

Analysis Batch: 515763

Client Sample ID: MW-8

Prep Type: Total/NA

Prep Batch: 514346

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Perfluorobutanoic acid (PFBA)	<2.1		36.4	40.4		ng/L		111	70 - 130
Perfluoropentanoic acid (PFPeA)	<0.44		36.4	40.5		ng/L		111	70 - 130
Perfluorohexanoic acid (PFHxA)	0.69	J	36.4	40.0		ng/L		108	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.27	J	36.4	38.1		ng/L		104	70 - 130
Perfluorooctanoic acid (PFOA)	4.1		36.4	47.2		ng/L		118	70 - 130
Perfluorononanoic acid (PFNA)	<0.24		36.4	41.0		ng/L		113	70 - 130
Perfluorodecanoic acid (PFDA)	0.33	J	36.4	34.4		ng/L		93	70 - 130
Perfluoroundecanoic acid (PFUnA)	<0.98		36.4	42.2		ng/L		116	70 - 130
Perfluorododecanoic acid (PFDoA)	<0.49		36.4	36.5		ng/L		100	70 - 130
Perfluorotridecanoic acid (PFTTrDA)	<1.2		36.4	39.1		ng/L		107	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<0.65		36.4	38.0		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.0	J	32.2	30.8		ng/L		92	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<0.27		34.2	35.8		ng/L		105	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	3.9		33.2	37.7		ng/L		102	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		34.7	38.2		ng/L		110	70 - 130
Perfluorooctanesulfonic acid (PFOS)	2.4		33.8	38.3		ng/L		106	70 - 130
Perfluorononanesulfonic acid (PFNS)	<0.33		35.0	37.3		ng/L		107	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<0.29		35.1	35.8		ng/L		102	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<0.87		35.3	34.9		ng/L		99	70 - 130
Perfluorooctanesulfonamide (FOSA)	<0.87		36.4	34.9		ng/L		96	70 - 130
NEtFOSA	<0.78		36.4	35.4		ng/L		97	70 - 130
NMeFOSA	<0.38		36.4	40.0		ng/L		110	70 - 130
NMeFOSAA	<1.1		36.4	37.7		ng/L		103	70 - 130
NEtFOSAA	<1.2		36.4	39.0		ng/L		107	70 - 130
NMeFOSE	<1.2		36.4	43.0		ng/L		118	70 - 130
NEtFOSE	<0.76		36.4	38.3		ng/L		105	70 - 130
4:2 FTS	<0.21		34.0	35.8		ng/L		105	70 - 130
6:2 FTS	<2.2		34.5	33.2		ng/L		96	70 - 130
8:2 FTS	<0.41		34.9	31.4		ng/L		90	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		34.3	38.1		ng/L		111	70 - 130
HFPO-DA (GenX)	<1.3		36.4	36.8		ng/L		101	70 - 130
9CI-PF3ONS	<0.21		34.0	33.5		ng/L		99	70 - 130
11CI-PF3OUdS	<0.29		34.3	34.1		ng/L		99	70 - 130
		MS MS							
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	78		25 - 150						
13C5 PFPeA	87		25 - 150						
13C2 PFHxA	87		25 - 150						

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MS
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

<i>Isotope Dilution</i>	<i>MS %Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
13C4 PFHpA	95		25 - 150
13C4 PFOA	90		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDaA	88		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	102		25 - 150
18O2 PFHxS	87		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	92		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	85		25 - 150
d-N-MeFOSA-M	79		10 - 150
d-N-EtFOSA-M	77		10 - 150
d7-N-MeFOSE-M	70		10 - 150
d9-N-EtFOSE-M	82		10 - 150
M2-4:2 FTS	100		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	94		25 - 150
13C2 10:2 FTS	98		25 - 150

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Perfluorobutanoic acid (PFBA)	<2.1		35.3	39.7		ng/L		112	70 - 130	2	30
Perfluoropentanoic acid (PFPeA)	<0.44		35.3	38.9		ng/L		110	70 - 130	4	30
Perfluorohexanoic acid (PFHxA)	0.69	J	35.3	36.6		ng/L		101	70 - 130	9	30
Perfluoroheptanoic acid (PFHpA)	0.27	J	35.3	35.6		ng/L		100	70 - 130	7	30
Perfluorooctanoic acid (PFOA)	4.1		35.3	46.4		ng/L		120	70 - 130	2	30
Perfluorononanoic acid (PFNA)	<0.24		35.3	40.9		ng/L		116	70 - 130	0	30
Perfluorodecanoic acid (PFDA)	0.33	J	35.3	35.9		ng/L		101	70 - 130	4	30
Perfluoroundecanoic acid (PFUnA)	<0.98		35.3	40.4		ng/L		114	70 - 130	4	30
Perfluorododecanoic acid (PFDaA)	<0.49		35.3	35.7		ng/L		101	70 - 130	2	30
Perfluorotridecanoic acid (PFTTrDA)	<1.2		35.3	36.4		ng/L		103	70 - 130	7	30
Perfluorotetradecanoic acid (PFTeA)	<0.65		35.3	39.9		ng/L		113	70 - 130	5	30
Perfluorobutanesulfonic acid (PFBS)	1.0	J	31.2	32.4		ng/L		100	70 - 130	5	30
Perfluoropentanesulfonic acid (PFPeS)	<0.27		33.1	34.4		ng/L		104	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	3.9		32.2	35.9		ng/L		100	70 - 130	5	30
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		33.6	36.3		ng/L		108	70 - 130	5	30

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MSD

Matrix: Water

Analysis Batch: 515763

Client Sample ID: MW-8

Prep Type: Total/NA

Prep Batch: 514346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	2.4		32.8	38.7		ng/L		111	70 - 130	1	30
Perfluorononanesulfonic acid (PFNS)	<0.33		33.9	35.9		ng/L		106	70 - 130	4	30
Perfluorodecanesulfonic acid (PFDS)	<0.29		34.1	36.8		ng/L		108	70 - 130	3	30
Perfluorododecanesulfonic acid (PFDoS)	<0.87		34.2	36.9		ng/L		108	70 - 130	6	30
Perfluorooctanesulfonamide (FOSA)	<0.87		35.3	34.0		ng/L		96	70 - 130	3	30
NEtFOSA	<0.78		35.3	33.4		ng/L		95	70 - 130	6	30
NMeFOSA	<0.38		35.3	41.4		ng/L		117	70 - 130	3	30
NMeFOSAA	<1.1		35.3	37.3		ng/L		106	70 - 130	1	30
NEtFOSAA	<1.2		35.3	36.2		ng/L		102	70 - 130	8	30
NMeFOSE	<1.2		35.3	38.0		ng/L		108	70 - 130	12	30
NEtFOSE	<0.76		35.3	34.7		ng/L		98	70 - 130	10	30
4:2 FTS	<0.21		33.0	38.3		ng/L		116	70 - 130	7	30
6:2 FTS	<2.2		33.5	28.5		ng/L		85	70 - 130	15	30
8:2 FTS	<0.41		33.9	30.0		ng/L		89	70 - 130	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		33.3	35.9		ng/L		108	70 - 130	6	30
HFPO-DA (GenX)	<1.3		35.3	36.2		ng/L		102	70 - 130	2	30
9Cl-PF3ONS	<0.21		32.9	32.8		ng/L		100	70 - 130	2	30
11Cl-PF3OUdS	<0.29		33.3	33.3		ng/L		100	70 - 130	2	30

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	78		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	89		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	90		25 - 150
13C2 PFDA	103		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	95		25 - 150
13C2 PFTeDA	87		25 - 150
13C3 PFBS	102		25 - 150
18O2 PFHxS	94		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	90		25 - 150
d-N-MeFOSA-M	82		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	86		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	105		25 - 150
13C3 HFPO-DA	95		25 - 150

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: 500-203366-10 MSD
 Matrix: Water
 Analysis Batch: 515763

Client Sample ID: MW-8
 Prep Type: Total/NA
 Prep Batch: 514346

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C2 10:2 FTS	95		25 - 150

Lab Sample ID: MB 320-515852/1-A
 Matrix: Water
 Analysis Batch: 516138

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 515852

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorotetradecanoic acid (PFTTeA)	<0.73		2.0	0.73	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/13/21 05:11	08/13/21 13:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/13/21 05:11	08/13/21 13:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/13/21 05:11	08/13/21 13:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/13/21 05:11	08/13/21 13:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/13/21 05:11	08/13/21 13:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/13/21 05:11	08/13/21 13:23	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/13/21 05:11	08/13/21 13:23	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/13/21 05:11	08/13/21 13:23	1
Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1			
13C5 PFPeA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1			
13C2 PFHxA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1			
13C4 PFHpA	91		25 - 150	08/13/21 05:11	08/13/21 13:23	1			

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 320-515852/1-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515852

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOA	94		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C5 PFNA	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFDA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFUnA	88		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFDoA	95		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFTeDA	112		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C3 PFBS	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1
18O2 PFHxS	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C4 PFOS	86		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C8 FOSA	86		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d3-NMeFOSAA	87		25 - 150	08/13/21 05:11	08/13/21 13:23	1
d5-NEtFOSAA	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1
d-N-MeFOSA-M	74		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d-N-EtFOSA-M	71		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d7-N-MeFOSE-M	65		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d9-N-EtFOSE-M	82		10 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-4:2 FTS	91		25 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-6:2 FTS	94		25 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-8:2 FTS	87		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C3 HFPO-DA	96		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 10:2 FTS	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1

Lab Sample ID: LCS 320-515852/2-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Perfluorobutanoic acid (PFBA)	40.0	42.4		ng/L		106	60 - 135	
Perfluoropentanoic acid (PFPeA)	40.0	41.7		ng/L		104	60 - 135	
Perfluorohexanoic acid (PFHxA)	40.0	44.1		ng/L		110	60 - 135	
Perfluoroheptanoic acid (PFHpA)	40.0	42.9		ng/L		107	60 - 135	
Perfluorooctanoic acid (PFOA)	40.0	40.6		ng/L		102	60 - 135	
Perfluorononanoic acid (PFNA)	40.0	40.8		ng/L		102	60 - 135	
Perfluorodecanoic acid (PFDA)	40.0	41.5		ng/L		104	60 - 135	
Perfluoroundecanoic acid (PFUnA)	40.0	43.3		ng/L		108	60 - 135	
Perfluorododecanoic acid (PFDoA)	40.0	38.2		ng/L		95	60 - 135	
Perfluorotridecanoic acid (PFTTrDA)	40.0	43.3		ng/L		108	60 - 135	
Perfluorotetradecanoic acid (PFTeA)	40.0	41.5		ng/L		104	60 - 135	
Perfluorobutanesulfonic acid (PFBS)	35.4	36.8		ng/L		104	60 - 135	
Perfluoropentanesulfonic acid (PFPeS)	37.5	46.9		ng/L		125	60 - 135	
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.4		ng/L		103	60 - 135	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	43.0		ng/L		113	60 - 135	

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 320-515852/2-A

Matrix: Water

Analysis Batch: 516138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 515852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	37.1	36.2		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	36.9		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.6		ng/L		103	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	48.2		ng/L		124	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	38.5		ng/L		96	60 - 135
NEtFOSA	40.0	43.4		ng/L		109	60 - 135
NMeFOSA	40.0	44.8		ng/L		112	60 - 135
NMeFOSAA	40.0	38.6		ng/L		96	60 - 135
NEtFOSAA	40.0	44.0		ng/L		110	60 - 135
NMeFOSE	40.0	42.3		ng/L		106	60 - 135
NEtFOSE	40.0	39.5		ng/L		99	60 - 135
4:2 FTS	37.4	40.8		ng/L		109	60 - 135
6:2 FTS	37.9	37.4		ng/L		99	60 - 135
8:2 FTS	38.3	32.2		ng/L		84	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	44.4		ng/L		118	60 - 135
HFPO-DA (GenX)	40.0	42.6		ng/L		106	60 - 135
9Cl-PF3ONS	37.3	36.7		ng/L		98	60 - 135
11Cl-PF3OUdS	37.7	42.9		ng/L		114	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	93		25 - 150
13C5 PFPeA	88		25 - 150
13C2 PFHxA	79		25 - 150
13C4 PFHpA	87		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	85		25 - 150
13C2 PFUnA	83		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	109		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	86		10 - 150
d3-NMeFOSAA	84		25 - 150
d5-NEtFOSAA	87		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	71		10 - 150
d7-N-MeFOSE-M	76		10 - 150
d9-N-EtFOSE-M	80		10 - 150
M2-4:2 FTS	80		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	79		25 - 150
13C3 HFPO-DA	89		25 - 150

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCS 320-515852/2-A
 Matrix: Water
 Analysis Batch: 516138

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 515852

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 10:2 FTS	79		25 - 150

Lab Sample ID: LCSD 320-515852/3-A
 Matrix: Water
 Analysis Batch: 516138

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 515852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	41.2		ng/L		103	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)	40.0	41.6		ng/L		104	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)	40.0	41.9		ng/L		105	60 - 135	5	30
Perfluoroheptanoic acid (PFHpA)	40.0	44.3		ng/L		111	60 - 135	3	30
Perfluorooctanoic acid (PFOA)	40.0	40.2		ng/L		101	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	41.1		ng/L		103	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	40.0	42.0		ng/L		105	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	44.4		ng/L		111	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)	40.0	40.0		ng/L		100	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)	40.0	43.9		ng/L		110	60 - 135	1	30
Perfluorotetradecanoic acid (PFTeA)	40.0	43.3		ng/L		108	60 - 135	4	30
Perfluorobutanesulfonic acid (PFBS)	35.4	34.8		ng/L		99	60 - 135	6	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.7		ng/L		109	60 - 135	14	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.4		ng/L		100	60 - 135	3	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.4		ng/L		109	60 - 135	4	30
Perfluorooctanesulfonic acid (PFOS)	37.1	36.5		ng/L		98	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)	38.4	37.4		ng/L		97	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)	38.6	37.9		ng/L		98	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	45.2		ng/L		117	60 - 135	6	30
Perfluorooctanesulfonamide (FOSA)	40.0	39.1		ng/L		98	60 - 135	2	30
NEtFOSA	40.0	42.6		ng/L		106	60 - 135	2	30
NMeFOSA	40.0	39.8		ng/L		99	60 - 135	12	30
NMeFOSAA	40.0	43.9		ng/L		110	60 - 135	13	30
NEtFOSAA	40.0	41.9		ng/L		105	60 - 135	5	30
NMeFOSE	40.0	43.8		ng/L		109	60 - 135	3	30
NEtFOSE	40.0	36.0		ng/L		90	60 - 135	9	30
4:2 FTS	37.4	37.1		ng/L		99	60 - 135	10	30
6:2 FTS	37.9	36.9		ng/L		97	60 - 135	1	30
8:2 FTS	38.3	36.3		ng/L		95	60 - 135	12	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	39.0		ng/L		104	60 - 135	13	30
HFPO-DA (GenX)	40.0	48.7		ng/L		122	60 - 135	13	30

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: LCSD 320-515852/3-A

Matrix: Water

Analysis Batch: 516138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 515852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
9CI-PF3ONS	37.3	35.8		ng/L		96	60 - 135	2	30
11CI-PF3OUdS	37.7	40.8		ng/L		108	60 - 135	5	30
		LCSD %Recovery	LCSD Qualifier			Limits			
<i>13C4 PFBA</i>		96				25 - 150			
<i>13C5 PFPeA</i>		89				25 - 150			
<i>13C2 PFHxA</i>		86				25 - 150			
<i>13C4 PFHpA</i>		88				25 - 150			
<i>13C4 PFOA</i>		102				25 - 150			
<i>13C5 PFNA</i>		91				25 - 150			
<i>13C2 PFDA</i>		86				25 - 150			
<i>13C2 PFUnA</i>		87				25 - 150			
<i>13C2 PFDoA</i>		95				25 - 150			
<i>13C2 PFTeDA</i>		119				25 - 150			
<i>13C3 PFBS</i>		101				25 - 150			
<i>18O2 PFHxS</i>		97				25 - 150			
<i>13C4 PFOS</i>		96				25 - 150			
<i>13C8 FOSA</i>		89				10 - 150			
<i>d3-NMeFOSAA</i>		85				25 - 150			
<i>d5-NEtFOSAA</i>		90				25 - 150			
<i>d-N-MeFOSA-M</i>		80				10 - 150			
<i>d-N-EtFOSA-M</i>		80				10 - 150			
<i>d7-N-MeFOSE-M</i>		73				10 - 150			
<i>d9-N-EtFOSE-M</i>		84				10 - 150			
<i>M2-4:2 FTS</i>		88				25 - 150			
<i>M2-6:2 FTS</i>		95				25 - 150			
<i>M2-8:2 FTS</i>		93				25 - 150			
<i>13C3 HFPO-DA</i>		83				25 - 150			
<i>13C2 10:2 FTS</i>		89				25 - 150			

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-613289/1-A

Matrix: Water

Analysis Batch: 613533

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 613289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.387	J	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:10	1
Barium	<0.73		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:10	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:10	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:10	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:10	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:10	1

QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-613289/1-A
Matrix: Water
Analysis Batch: 613754

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.18	J ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:35	1

Lab Sample ID: LCS 500-613289/2-A
Matrix: Water
Analysis Batch: 613533

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	496		ug/L		99	80 - 120
Cadmium	50.0	46.8		ug/L		94	80 - 120
Chromium	200	182		ug/L		91	80 - 120
Lead	100	98.0		ug/L		98	80 - 120
Silver	50.0	47.9		ug/L		96	80 - 120

Lab Sample ID: LCS 500-613289/2-A
Matrix: Water
Analysis Batch: 613754

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	100	107	^+	ug/L		107	80 - 120

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 613533

Client Sample ID: MW-8
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	0.82	J B	1.24	F5	ug/L		40	20
Barium	100		106		ug/L		4	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 613754

Client Sample ID: MW-8
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Barium	110		108		ug/L		0.8	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Selenium	1.9	J B ^+	1.80	J ^+	ug/L		6	20

Lab Sample ID: MB 500-613717/1-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		08/11/21 08:24	08/11/21 22:24	1

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QC Sample Results

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

Job ID: 500-203366-1

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

Lab Sample ID: MB 500-613717/1-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.73		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 22:24	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 22:24	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 22:24	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 22:24	1
Selenium	<0.98		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 22:24	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 22:24	1

Lab Sample ID: LCS 500-613717/2-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		ug/L		101	80 - 120
Barium	500	519		ug/L		104	80 - 120
Cadmium	50.0	51.0		ug/L		102	80 - 120
Chromium	200	210		ug/L		105	80 - 120
Lead	100	108		ug/L		108	80 - 120
Selenium	100	100		ug/L		100	80 - 120
Silver	50.0	54.2		ug/L		108	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-614166/12-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 614166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:05	1

Lab Sample ID: LCS 500-614166/13-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 614166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	2.22		ug/L		111	80 - 120

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 614435

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 614166

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.098		<0.098		ug/L		NC	20

Lab Sample ID: MB 500-614168/12-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 614168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:12	1

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QC Sample Results

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

Job ID: 500-203366-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-614168/13-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 614168
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	2.00	2.15		ug/L		107	80 - 120

Lab Sample ID: 500-203366-19 MS
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.098		1.00	0.950		ug/L		95	75 - 125

Lab Sample ID: 500-203366-19 MSD
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.098		1.00	0.910		ug/L		91	75 - 125	4	20

Lab Sample ID: 500-203366-19 DU
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168
 %Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.098		<0.098		ug/L		NC	20

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 13:48	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:06	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:17	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:40	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:09	MJG	TAL CHI

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Date Collected: 08/03/21 08:45

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 14:13	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:15	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:21	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:43	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:11	MJG	TAL CHI

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Date Collected: 08/03/21 09:35

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 14:38	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:24	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:24	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:46	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:13	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: PZ-10

Lab Sample ID: 500-203366-4

Date Collected: 08/03/21 11:50

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:03	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:16	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:27	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:49	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:15	MJG	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 500-203366-5

Date Collected: 08/03/21 12:35

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:27	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:25	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:31	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:51	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:17	MJG	TAL CHI

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Date Collected: 08/03/21 13:30

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:52	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:52	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:34	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:54	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:20	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: PZ-5 DUP

Date Collected: 08/03/21 13:30

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 16:17	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 19:01	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:38	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:57	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:22	MJG	TAL CHI

Client Sample ID: MW-5

Date Collected: 08/03/21 14:20

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 16:41	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:34	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:41	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:00	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:49	MJG	TAL CHI

Client Sample ID: OMPZ-4

Date Collected: 08/03/21 15:20

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 12:18	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:44	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:51	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:08	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:51	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: MW-8
Date Collected: 08/03/21 16:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 17:06	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 19:55	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:55	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:11	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:01	MJG	TAL CHI

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 12:43	STW	TAL CHI
Total/NA	Prep	3510C			613143	08/06/21 19:21	JP1	TAL CHI
Total/NA	Analysis	8082A		1	613365	08/09/21 18:16	SS	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:23	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:12	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:25	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:10	MJG	TAL CHI

Client Sample ID: B-5A
Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 13:09	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:32	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:16	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:28	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:16	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Date Collected: 08/03/21 08:55

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 13:35	STW	TAL CHI
Total/NA	Prep	3510C			613143	08/06/21 19:21	JP1	TAL CHI
Total/NA	Analysis	8082A		1	613365	08/09/21 18:32	SS	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:41	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:19	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:31	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:18	MJG	TAL CHI

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Date Collected: 08/03/21 10:00

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 14:01	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:50	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:22	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:34	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:20	MJG	TAL CHI

Client Sample ID: MW-2

Lab Sample ID: 500-203366-15

Date Collected: 08/03/21 11:25

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 14:27	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:59	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:33	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:42	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:27	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: MW-1

Lab Sample ID: 500-203366-16

Date Collected: 08/03/21 12:15

Matrix: Water

Date Received: 08/05/21 09:45

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	8260B		1	614110	08/13/21 14:53	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 21:36	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:36	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:45	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:29	MJG	TAL CHI

Client Sample ID: PZ-8

Lab Sample ID: 500-203366-17

Date Collected: 08/03/21 13:35

Matrix: Water

Date Received: 08/05/21 09:45

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	8260B		1	614110	08/13/21 15:19	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:10	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:40	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:48	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:31	MJG	TAL CHI

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	8260B		1	614110	08/13/21 15:45	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:20	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:43	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:51	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:33	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP

Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 16:11	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:29	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:47	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:53	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:35	MJG	TAL CHI

Client Sample ID: PZ-9

Lab Sample ID: 500-203366-20

Date Collected: 08/03/21 16:00

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 16:37	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514827	08/10/21 10:59	K1S	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:50	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:56	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:44	MJG	TAL CHI

Client Sample ID: MW-9

Lab Sample ID: 500-203366-21

Date Collected: 08/03/21 16:50

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 17:02	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:02	D1R	TAL SAC
Dissolved	Prep	3005A			613717	08/11/21 08:24	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613958	08/11/21 23:23	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:46	MJG	TAL CHI

Client Sample ID: EB-02

Lab Sample ID: 500-203366-22

Date Collected: 08/03/21 17:15

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614295	08/15/21 19:10	PMF	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-203366-1

Client Sample ID: EB-02

Date Collected: 08/03/21 17:15

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:11	D1R	TAL SAC
Dissolved	Prep	3005A			613717	08/11/21 08:24	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613958	08/11/21 23:27	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:52	MJG	TAL CHI

Client Sample ID: FB-02

Date Collected: 08/03/21 17:20

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:49	D1R	TAL SAC

Client Sample ID: FB-01

Date Collected: 08/03/21 17:00

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:58	D1R	TAL SAC

Client Sample ID: TRIP BLANK

Date Collected: 08/03/21 00:00

Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 11:52	STW	TAL CHI

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 500-203366-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-17-21


- 1
- 2
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- 14
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- 16
- 17

Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



Client Information		Sampler: D. GLASFORD		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-93555-41597.1					
Client Contact: Susan Petrofske		Phone: 262 573 6315		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: WI		Page: Page 1 of 3					
Company: Ramboll US Corporation		PWSID:		Analysis Requested						Job #: 500-203366			
Address: 234 W. Florida Street Fifth Floor		Due Date Requested:		 500-203366 COC						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)			
City: Milwaukee		TAT Requested (days):											
State, Zip: WI, 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Phone:		PO #: 1690019558											
Email: SPETROFSKE@ramboll.com / DGLASFORD@RAMBOLL.COM		WO #:											
Project Name: Former Mirro 20 - Chilton 1690019558		Project #: 50019131		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers					
Site:		SSOW#:		PFC_IDA_WI - PFAS, Standard List (33 analytes)		8260B - 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)		6020A, 7470A RCRA 8082A - PCB		Special Instructions/Note:	
1 B-5		8-3-21		745		G		Water					
2 B-6				845				Water					
3 B-11				935				Water					
4 PZ-10				1150				Water					
5 MW-10				1235				Water					
6 PZ-5				1330				Water					
7 PZ-5 DUP				1330				Water					
8 MW-5				1420				Water					
9 OMPZ-4				1520				Water					
10 MW-8				1620				Water				ADDITIONAL VOLUME FOR MS/MSD	
11 EB-01				1715				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: 8-4-21 8:00		Company: RAMBOLL		Received by: <i>[Signature]</i>		Date/Time: 8-4-21 8:00		Company: TA			
Relinquished by: <i>[Signature]</i>		Date/Time: 8-4-21 17:00		Company: TA		Received by: Stephanie Hemondy		Date/Time: 8/5/21 0945		Company: ETA-CHI			
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: 3.3, 2.1									

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ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST
BROOKFIELD, WI 53005
UNITED STATES US

SHIP. DATE: 04AUG21
ACTWGT: 60.25 LB
CAD: 525155/CAFE3406

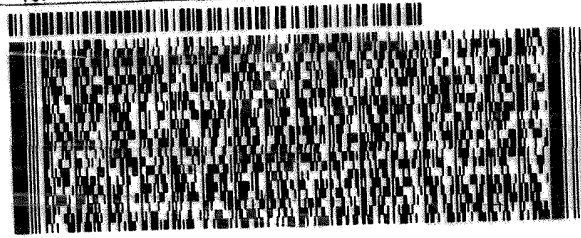
BILL RECIPIENT

TO **SAMPLE RECEIPT**
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 634-5200
INU:
PO:

REF:
DEPT:



2 of 3

MPS# 7125 4945 0415
0263
Mstr# 7125 4945 0404

0201

THU - 05 AUG 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD



ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST
BROOKFIELD, WI 53005
UNITED STATES US

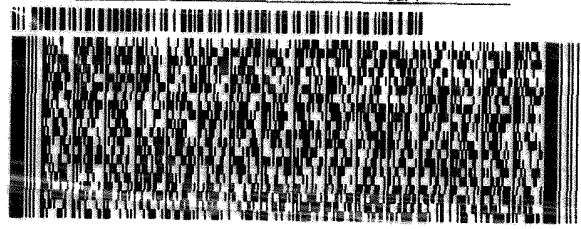
SHIP DATE: 500-203366 Wayb
ACTWGT: 61.75
CAD: 525155/CAFE3406
BILL RECIPIENT

TO **SAMPLE RECEIPT**
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 634-5200
INU:
PO:

REF:
DEPT:



1 of 3

TRK# 7125 4945 0404
0201
MASTER

THU - 05 AUG 10:30A
PRIORITY OVERNIGHT

79 JOTA

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Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 500-151198-1
Client Contact: Shipping/Receiving		E-Mail: sandra.fredrick@eurofinset.com	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin	
Address: 880 Riverside Parkway, West Sacramento, CA, 95605		Job #: 500-203366-1	
Phone: 916-373-5600 (Tel) 916-372-1059 (Fax)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: Former Mirro 20 - Chilton 1690019558		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Site:		Total Number of containers	
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B1=BISSUE, A=Air)
8/3/21	07:45 Central		Water
8/3/21	08:45 Central		Water
8/3/21	09:35 Central		Water
8/3/21	11:50 Central		Water
8/3/21	12:35 Central		Water
8/3/21	13:30 Central		Water
8/3/21	13:30 Central		Water
8/3/21	14:20 Central		Water
8/3/21	15:20 Central		Water
8/3/21	Central		Water
Due Date Requested: 8/18/2021		Field Filtered Sample (Yes or No)	
TAT Requested (days):		Perform MS/MSD (Yes or No)	
PO #:		PFC, PAH, W/MS35, PFC, 280 PFA's, Standard List (33 analytes)	
WO #:		X	
Project #: 50019131		X	
SSOW#:		X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State or Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Relinquished by: <i>Alvin Abots</i>	Date/Time: 8/5/21 1530	Company: <i>ATA-CHEI</i>	Received by: <i>[Signature]</i>	Date/Time: 8/10/21 10:15	Company: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: <i>1452 126</i>		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>4.5x</i>	



Chain of Custody Record

Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 500-151198.2
Shipping/Receiving		E-Mail: sandra.fredrick@eurofinset.com	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin	
Address: 880 Riverside Parkway, City: West Sacramento State, Zip: CA, 95605		Job #: 500-203366-1	
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: Former Mirro 20 - Chilton 1690019558		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO3 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (Specify)	
Site: SSOW#:		Total Number of containers	
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=TISSUE, AA=)
8/3/21	16:20 Central		Water
8/3/21	16:20 Central	MS	Water
8/3/21	16:20 Central	MSD	Water
8/3/21	17:15 Central		Water
8/3/21	07:45 Central		Water
8/3/21	08:55 Central		Water
8/3/21	10:00 Central		Water
8/3/21	11:25 Central		Water
8/3/21	12:15 Central		Water
MW-8 (500-203366-10)			2
MW-8 (500-203366-10MS)			2
MW-8 (500-203366-10MSD)			2
EB-01 (500-203366-11)			2
B-5A (500-203366-12)			2
B-9 (500-203366-13)			2
B-12 (500-203366-14)			2
MW-2 (500-203366-15)			2
MW-1 (500-203366-16)			2
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>			
Possible Hazard Identification			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>Alvin Smith</i>		Date: 8/5/21 15:30	
Relinquished by:		Company: <i>PA-CAL</i>	
Relinquished by:		Date/Time: 8/6/21 10:15	
Relinquished by:		Company: <i>ESTAM</i>	
Custody Seals Intact: <i>Yes</i> <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cooler Temperature(s) °C and Other Remarks: <i>4.56</i>	



Chain of Custody Record

Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-151198-3		
Shipping/Receiving		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: Wisconsin		Page: Page 3 of 3		
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #:		500-203366-1		
Address: 880 Riverside Parkway, City: West Sacramento State, Zip: CA, 95605		Due Date Requested: 8/18/2021		TAT Requested (days):		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		PO #:		Matrix (Water, Solid, On-water, B-Tissue, A-Analy)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		
Email:		WO #:		Field Filtered Sample (Yes or No)		Total Number of containers		
Project Name: Former Mirro 20 - Chilton 1690019558		Project #: 50019131		Perform MS/MSD (Yes or No)		Special Instructions/Note:		
Site:		SSOW#:		PFC IDA W13535_PFC_28D PFAS_Standard List (33 analytes)				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-water, B-Tissue, A-Analy)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC IDA W13535_PFC_28D PFAS_Standard List (33 analytes)	Total Number of containers
PZ-8 (500-203366-17)	8/3/21	13:35 Central		Water	X	X		2
OMPZ-3 (500-203366-18)	8/3/21	15:00 Central		Water	X	X		2
OMPZ-3 DUP (500-203366-19)	8/3/21	15:00 Central		Water	X	X		2
PZ-9 (500-203366-20)	8/3/21	16:00 Central		Water	X	X		2
MW-9 (500-203366-21)	8/3/21	16:50 Central		Water	X	X		2
EB-02 (500-203366-22)	8/3/21	17:15 Central		Water	X	X		2
EB-02 (500-203366-23)	8/3/21	17:20 Central		Water	X	X		2
FB-01 (500-203366-24)	8/3/21	17:00 Central		Water	X	X		2

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Primary Deliverable Rank: 2
 Date: _____ Time: _____
 Empty Kit Relinquished by: _____
 Relinquished by: *Shiv Annots* Date: 8/5/21 15:30 Company: *TestAmerica*
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____
 Custody Seals Intact: Yes No
 Custody Seal No.: *1452126*
 Cooler Temperature(s) °C and Other Remarks: *4.56*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: _____
 Date: _____ Time: _____
 Received by: _____ Date: 10/15 Company: *TestAmerica*
 Received by: _____ Date: _____ Company: _____
 Received by: _____ Date: _____ Company: _____

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie	Carrier Tracking No(s):		COC No: 500-151198.1	
Client Contact: Shipping/Receiving		E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin		Page: Page 1 of 3	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Address: 880 Riverside Parkway, City: West Sacramento State, Zip: CA, 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email:		Due Date Requested: 8/18/2021 TAT Requested (days):		Total Number of Containers		
Project #: Former Mirro 20 - Chilton 1690019558 Site:		Field Filtered Sample (Yes or No)		Special Instructions/Note:		
PO #:		Perform MS/MSD (Yes or No)				
WO #:		PFC IDA W/3535 PFC 28D PFA's, Standard List (33 analytes)				
Sample ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, O-est, A-As)	Preservation Code:
B-5 (500-203366-1)	8/3/21	07:45 Central		Water	Water	X
B-6 (500-203366-2)	8/3/21	08:45 Central		Water	Water	X
B-11 (500-203366-3)	8/3/21	09:35 Central		Water	Water	X
PZ-10 (500-203366-4)	8/3/21	11:50 Central		Water	Water	X
MW-10 (500-203366-5)	8/3/21	12:35 Central		Water	Water	X
PZ-5 (500-203366-6)	8/3/21	13:30 Central		Water	Water	X
PZ-5 DUP (500-203366-7)	8/3/21	13:30 Central		Water	Water	X
MW-5 (500-203366-8)	8/3/21	14:20 Central		Water	Water	X
OMPZ-4 (500-203366-9)	8/3/21	15:20 Central		Water	Water	X

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____

Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Alvin Abate* Date: 8/15/21 1530 Company: *BACTI*
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____

Custody Seal Intact: *Yes* No
 Cooler Temperature(s) °C and Other Remarks: *1452 126, 1462114*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:
 Method of Shipment: _____ Date/Time: 8/16/21 10:15 Company: *BACTI*
 Date/Time: _____ Date/Time: _____ Company: _____
 Date/Time: _____ Date/Time: _____ Company: _____



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:				
Client Contact: Shipping/Receiving		Phone:	Fredrick, Sandie	State of Origin:	500-151198-2				
Company: TestAmerica Laboratories, Inc.		E-Mail: sandra.fredrick@eurofinset.com	Wisconsin	Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin	Page: Page 2 of 3				
Address: 880 Riverside Parkway,		Due Date Requested: 8/18/2021	Job #: 500-203366-1						
City: West Sacramento		TAT Requested (days):	Preservation Codes:						
State/Zip: CA, 95605		PO #:	A - HCL M - Hexane B - NaOH N - None O - AsNaO2 C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Arschlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)						
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		WO #:	Other:						
Email:		Project #: 50019131	Total Number of containers						
Project Name: Former Mirro 20 - Chilton 1690019558		SOW#:	Special Instructions/Note:						
Site:									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC IDA W/335 PFC 280 PFA's Standard List (33 analytes)	Analysis Requested	Total Number of containers
MW-8 (500-203366-10)	8/3/21	16:20 Central	Water	Water	X	X			2
MW-8 (500-203366-10MS)	8/3/21	16:20 Central	MS	Water	X	X			2
MW-8 (500-203366-10MSD)	8/3/21	16:20 Central	MSD	Water	X	X			2
EB-01 (500-203366-11)	8/3/21	17:15 Central	Water	Water	X	X			2
B-5A (500-203366-12)	8/3/21	07:45 Central	Water	Water	X	X			2
B-9 (500-203366-13)	8/3/21	08:55 Central	Water	Water	X	X			2
B-12 (500-203366-14)	8/3/21	10:00 Central	Water	Water	X	X			2
MW-2 (500-203366-15)	8/3/21	11:25 Central	Water	Water	X	X			2
MW-1 (500-203366-16)	8/3/21	12:15 Central	Water	Water	X	X			2
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>									
Possible Hazard Identification									
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Special Instructions/QC Requirements:									
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____									
Relinquished by: <i>Phil Scott</i> Date/Time: 8/5/21 1530 Company: <i>EA-CHE</i> Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____									
Custody Seals Intact: <i>Yes</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Custody Seal No.: <i>1452106</i> Cooler Temperature(s) °C and Other Remarks: <i>4.56</i>									



Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 880 Riverside Parkway, City: West Sacramento State, Zip: CA, 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email: Project #: 50019131 Former Mirro 20 - Chilton 1690019558 Site:		Lab PM: Fredrick, Sandie E-Mail: sandra.fredrick@eurofinset.com State of Origin: Wisconsin Accredited Required (See note): State - Wisconsin, State Program - Wisconsin	Camer Tracking No(s): 500-151198.3 Page: Page 3 of 3 Job #: 500-203366-1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:																																																																						
Due Date Requested: 8/18/2021 TAT Requested (days): PO #: WO #: Project #: SOW#:	Analysis Requested																																																																								
Sample Identification - Client ID (Lab ID)	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC IDA W/3535_PFC_28D PFAS Standard List (33 analytes)																																																																						
<table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (Water, Solid, Overwater, BT-Tissue, Air)</th> <th>Preservation Code:</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>PZ-8 (500-203366-17)</td> <td>8/3/21</td> <td>13:35 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>OMPZ-3 (500-203366-18)</td> <td>8/3/21</td> <td>15:00 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>OMPZ-3 DUP (500-203366-19)</td> <td>8/3/21</td> <td>15:00 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>PZ-9 (500-203366-20)</td> <td>8/3/21</td> <td>16:00 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>MW-9 (500-203366-21)</td> <td>8/3/21</td> <td>16:50 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>EB-02 (500-203366-22)</td> <td>8/3/21</td> <td>17:15 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>EB-02 (500-203366-23)</td> <td>8/3/21</td> <td>17:20 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>FB-01 (500-203366-24)</td> <td>8/3/21</td> <td>17:00 Central</td> <td>Water</td> <td>Water</td> <td>X</td> <td>2</td> <td></td> </tr> </tbody> </table>	Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Overwater, BT-Tissue, Air)	Preservation Code:	Total Number of Containers	Special Instructions/Note:	PZ-8 (500-203366-17)	8/3/21	13:35 Central	Water	Water	X	2		OMPZ-3 (500-203366-18)	8/3/21	15:00 Central	Water	Water	X	2		OMPZ-3 DUP (500-203366-19)	8/3/21	15:00 Central	Water	Water	X	2		PZ-9 (500-203366-20)	8/3/21	16:00 Central	Water	Water	X	2		MW-9 (500-203366-21)	8/3/21	16:50 Central	Water	Water	X	2		EB-02 (500-203366-22)	8/3/21	17:15 Central	Water	Water	X	2		EB-02 (500-203366-23)	8/3/21	17:20 Central	Water	Water	X	2		FB-01 (500-203366-24)	8/3/21	17:00 Central	Water	Water	X	2		Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Overwater, BT-Tissue, Air)	Preservation Code:	Total Number of Containers	Special Instructions/Note:																																																																		
PZ-8 (500-203366-17)	8/3/21	13:35 Central	Water	Water	X	2																																																																			
OMPZ-3 (500-203366-18)	8/3/21	15:00 Central	Water	Water	X	2																																																																			
OMPZ-3 DUP (500-203366-19)	8/3/21	15:00 Central	Water	Water	X	2																																																																			
PZ-9 (500-203366-20)	8/3/21	16:00 Central	Water	Water	X	2																																																																			
MW-9 (500-203366-21)	8/3/21	16:50 Central	Water	Water	X	2																																																																			
EB-02 (500-203366-22)	8/3/21	17:15 Central	Water	Water	X	2																																																																			
EB-02 (500-203366-23)	8/3/21	17:20 Central	Water	Water	X	2																																																																			
FB-01 (500-203366-24)	8/3/21	17:00 Central	Water	Water	X	2																																																																			
Possible Hazard Identification Unconfirmed <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) _____ Primary Deliverable Rank: 2																																																																									
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>Shirley Smith</i> Date/Time: 8/5/21 15:30 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____																																																																									
Custom Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: 1452126 Cooler Temperature(s) °C and Other Remarks: 4.56																																																																									



Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-203366-1

Login Number: 203366

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3.2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with acct. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-203366-1

Login Number: 203366

List Number: 2

Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento

List Creation: 08/06/21 02:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1542126
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.5c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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: 500-203366-1

Login Number: 203366

List Source: Eurofins TestAmerica, Sacramento

List Number: 4

Creator: Nelson, Kym D

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	1452114
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	10.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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	



500-203366 Field Sheet

Tracking #: 189344528490

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-07 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 1402126

Cooler ID: -

Temp Observed: 4.5 °C Corrected: 4.5 °C
From: Temp Blank Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<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 type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: IS Date: 8/6/21

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"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Containers are not broken or leaking?	<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"/>
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, 8850)	<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: IS Date: 8/6/21

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 type="checkbox"/>	<input checked="" type="checkbox"/>
Log Release checked in TALS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials: IS Date: 8/6/21



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes

Place Field Sheet Label Here

Tracking #: 512065085438

Job: _____

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

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

Therm. ID: L-06 Corr. Factor: (+/-) - °C
Ice _____ Wet Gel _____ Other _____
Cooler Custody Seal: 1452114
Cooler ID: _____
Temp Observed: 10.4 °C Corrected: 10.4 °C
From: Temp Blank Sample

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

Initials: D Date: 8/7/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Containers are not broken or leaking?	<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"/>
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: B Date: 8/9/21

Notes: Cooler out of temp. Failed cooling agent present in the form of water. Cooler packed for samples into 2 ziplock bags.
B 8/7/21
NO COC SO 8/7/21
SO-703366
17-19

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials: B Date: 8/9/21

DO NOT USE THIS LABEL



Environment Testing
TestAmerica

PAC # 159470-434 RIT2 EXP 10/21 8a

eurofins
Environment Testing
TestAmerica

1452114

ORIGIN ID:BLUA (609) 651-6478
DEANDRE COOLEY
NRG ENERGY, INC.
529 EAST ROMERO ROAD
ROMEDEVILLE, IL 60446
UNITED STATES US

SHIP DATE: 16JUL21
ACTWGT: 10.00 LB MAN
CAD: 0575589/CAFE3409

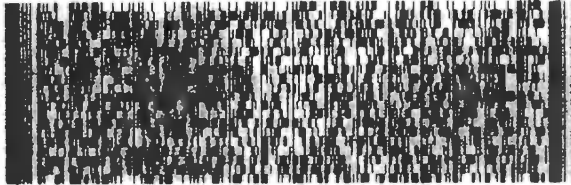
0530/3560/CIERS3

TO **SAMPLE RECEIVING**
TESTAMERICA WEST SACRAMENTO
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

(918) 373-6800
REF: S320-41283

RMA: 111 1111 00



FedEx
Express



ART1081210211027

Custody Seal

DATE

SIGNATURE

1452114

eurofins
Environment Testing
TestAmerica

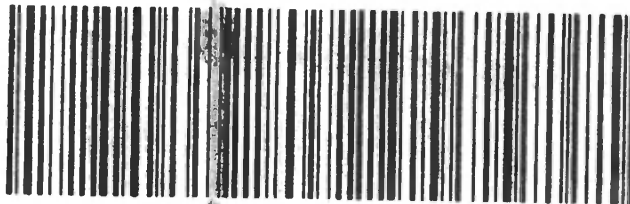
FedEx

TRK#
0221 5120 6508 5438

SATURDAY AA
PRIORITY OVERNIGHT

X0 BLUA

95605
CA-US
SMF



472019 06Aug 08:25 MEMH 56DC1/BAF3/32A6

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- 17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ORIGIN ID: JOTA (708) 534-5200
SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

SHIP DATE: 05AUG21
ACTWGT: 61.00 LB FWH
CPO: 033264/CAFE3504

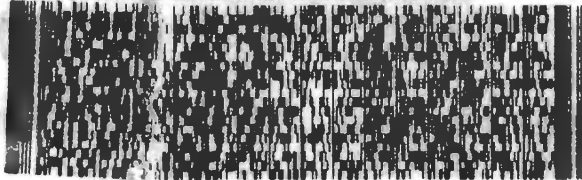
UNIVERSITY PARK, IL 60484
UNITED STATES US

BILL SENDER

TO **SAMPLE RECEIPT**
TESTAMERICA
880 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605

(916) 878-6888
REF: 203326 SS



FedEx
Express

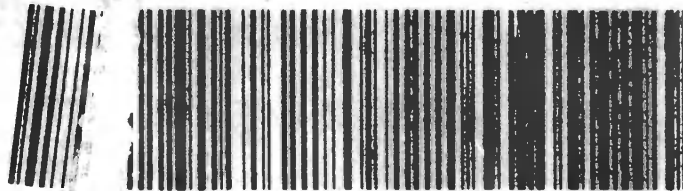


TAX# 18903 4452 8490
0201

FRI - 06 AUG 10:30/
PRIORITY OVERNIGHT

NH BLUA

95601
CA-US SMI



1452126

eurofins
Environment Testing
TestAmerica

FORM 1000-454 RITE EXP 12/91

03/25/2017/12055

eurofins

Environment Testing
TestAmerica

1452126

SIGNATURE

DATE

Custody Seal

- 1
- 2
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- 17

Isotope Dilution Summary

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

Job ID: 500-203366-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

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)
500-203366-1	B-5	84	95	90	102	92	97	107	91
500-203366-2	B-6	75	87	89	93	94	95	96	82
500-203366-3	B-11	80	92	90	99	95	95	103	96
500-203366-4	PZ-10	76	85	88	90	90	87	95	88
500-203366-5	MW-10	77	95	98	102	104	96	105	97
500-203366-6	PZ-5	86	94	90	96	94	100	98	95
500-203366-7	PZ-5 DUP	87	97	93	97	100	104	102	96
500-203366-8	MW-5	82	94	102	104	98	103	106	101
500-203366-9	OMPZ-4	85	103	109	108	109	104	111	110
500-203366-10	MW-8	81	92	88	97	89	97	100	84
500-203366-10 MS	MW-8	78	87	87	95	90	91	94	80
500-203366-10 MSD	MW-8	78	90	89	98	89	90	103	94
500-203366-11	EB-01	88	93	91	94	89	86	97	99
500-203366-12	B-5A	80	92	92	101	96	93	101	93
500-203366-13	B-9	82	92	90	95	93	96	100	97
500-203366-14	B-12	81	89	88	96	88	93	99	92
500-203366-15	MW-2	78	87	85	94	93	94	92	95
500-203366-16	MW-1	83	87	91	100	94	99	107	102
500-203366-17	PZ-8	84	88	80	90	96	95	86	86
500-203366-18	OMPZ-3	87	86	77	88	96	94	86	76
500-203366-19	OMPZ-3 DUP	85	83	75	83	92	92	85	81
500-203366-20	PZ-9	86	94	98	104	97	103	102	94
500-203366-21	MW-9	93	105	104	104	97	113	109	112
500-203366-22	EB-02	93	99	99	107	100	102	111	115
500-203366-23	FB-02	101	97	99	103	105	104	119	104
500-203366-24	FB-01	96	94	96	107	100	104	109	115
LCS 320-514062/2-A	Lab Control Sample	94	103	102	107	106	107	115	117
LCS 320-514346/2-A	Lab Control Sample	96	94	95	106	98	98	108	109
LCS 320-515852/2-A	Lab Control Sample	93	88	79	87	96	89	85	83
LCSD 320-514062/3-A	Lab Control Sample Dup	96	96	98	108	100	108	115	116
LCSD 320-514346/3-A	Lab Control Sample Dup	91	97	96	101	98	95	103	106
LCSD 320-515852/3-A	Lab Control Sample Dup	96	89	86	88	102	91	86	87
MB 320-514062/1-A	Method Blank	94	91	101	101	101	102	114	112
MB 320-514346/1-A	Method Blank	89	95	90	99	96	95	103	98
MB 320-515852/1-A	Method Blank	93	85	85	91	94	89	85	88

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-203366-1	B-5	85	99	105	94	88	96	87	89
500-203366-2	B-6	76	75	102	91	85	91	78	88
500-203366-3	B-11	89	100	108	95	92	99	86	89
500-203366-4	PZ-10	80	99	84	85	80	86	76	84
500-203366-5	MW-10	96	90	95	93	94	99	84	93
500-203366-6	PZ-5	93	95	103	92	88	93	83	88
500-203366-7	PZ-5 DUP	91	98	110	92	92	98	88	91
500-203366-8	MW-5	94	94	92	95	94	101	86	100
500-203366-9	OMPZ-4	97	100	95	98	95	105	93	100
500-203366-10	MW-8	86	91	101	86	84	90	83	91
500-203366-10 MS	MW-8	88	95	102	87	85	92	85	85

Eurofins TestAmerica, Chicago

Isotope Dilution Summary

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

Job ID: 500-203366-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-203366-10 MSD	MW-8	95	87	102	94	87	94	89	90
500-203366-11	EB-01	95	96	104	94	89	91	90	99
500-203366-12	B-5A	77	88	100	93	89	92	83	87
500-203366-13	B-9	89	86	97	94	86	93	86	94
500-203366-14	B-12	86	94	104	89	88	90	85	88
500-203366-15	MW-2	79	98	98	89	88	91	83	86
500-203366-16	MW-1	89	103	104	93	92	96	89	95
500-203366-17	PZ-8	92	104	101	92	95	94	80	95
500-203366-18	OMPZ-3	102	112	98	94	88	95	86	92
500-203366-19	OMPZ-3 DUP	85	110	94	92	85	89	83	86
500-203366-20	PZ-9	91	89	91	97	88	90	74	86
500-203366-21	MW-9	95	108	98	94	94	103	84	106
500-203366-22	EB-02	98	100	91	90	92	93	89	97
500-203366-23	FB-02	100	108	94	94	98	96	94	106
500-203366-24	FB-01	99	107	90	93	96	100	96	108
LCS 320-514062/2-A	Lab Control Sample	99	113	97	99	102	100	96	106
LCS 320-514346/2-A	Lab Control Sample	108	104	109	98	97	97	100	105
LCS 320-515852/2-A	Lab Control Sample	92	109	89	88	86	86	84	87
LCSD 320-514062/3-A	Lab Control Sample Dup	102	104	94	96	97	98	95	100
LCSD 320-514346/3-A	Lab Control Sample Dup	103	102	107	98	94	95	98	96
LCSD 320-515852/3-A	Lab Control Sample Dup	95	119	101	97	96	89	85	90
MB 320-514062/1-A	Method Blank	92	97	91	95	95	99	94	102
MB 320-514346/1-A	Method Blank	101	104	105	94	94	90	92	95
MB 320-515852/1-A	Method Blank	95	112	93	93	86	86	87	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NFMF (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-203366-1	B-5	82	75	77	80	96	103	99	97
500-203366-2	B-6	73	66	67	71	114	142	121	92
500-203366-3	B-11	84	77	72	87	98	107	104	95
500-203366-4	PZ-10	75	71	76	76	104	117	105	90
500-203366-5	MW-10	82	79	80	82	107	127	120	102
500-203366-6	PZ-5	73	68	74	82	101	110	99	102
500-203366-7	PZ-5 DUP	75	72	74	80	103	103	100	102
500-203366-8	MW-5	84	78	81	84	122	134	126	103
500-203366-9	OMPZ-4	90	83	85	102	122	140	125	112
500-203366-10	MW-8	80	72	80	85	105	111	97	94
500-203366-10 MS	MW-8	79	77	70	82	100	110	104	94
500-203366-10 MSD	MW-8	82	75	86	88	93	112	105	95
500-203366-11	EB-01	75	72	76	86	98	98	100	91
500-203366-12	B-5A	74	69	71	74	102	117	99	98
500-203366-13	B-9	73	68	76	82	101	113	99	95
500-203366-14	B-12	71	67	78	79	91	96	90	91
500-203366-15	MW-2	78	71	80	81	94	107	96	88
500-203366-16	MW-1	77	73	81	82	98	101	103	95
500-203366-17	PZ-8	82	73	72	82	90	103	85	90
500-203366-18	OMPZ-3	74	70	67	86	83	101	76	94
500-203366-19	OMPZ-3 DUP	65	67	64	71	77	96	70	86
500-203366-20	PZ-9	76	74	71	75	109	131	116	102
500-203366-21	MW-9	86	83	83	101	117	118	122	109

Eurofins TestAmerica, Chicago

Isotope Dilution Summary

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

Job ID: 500-203366-1

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

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-203366-22	EB-02	88	84	90	98	112	124	120	106
500-203366-23	FB-02	91	88	93	99	111	134	138	109
500-203366-24	FB-01	91	89	94	107	115	127	122	105
LCS 320-514062/2-A	Lab Control Sample	93	89	88	100	122	127	124	105
LCS 320-514346/2-A	Lab Control Sample	78	80	93	92	98	102	104	103
LCS 320-515852/2-A	Lab Control Sample	72	71	76	80	80	87	79	89
LCSD 320-514062/3-A	Lab Control Sample Dup	84	80	91	89	119	126	128	104
LCSD 320-514346/3-A	Lab Control Sample Dup	81	78	85	91	101	100	98	103
LCSD 320-515852/3-A	Lab Control Sample Dup	80	80	73	84	88	95	93	83
MB 320-514062/1-A	Method Blank	86	83	85	96	112	132	124	102
MB 320-514346/1-A	Method Blank	69	71	82	89	89	100	97	97
MB 320-515852/1-A	Method Blank	74	71	65	82	91	94	87	96

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M102FTS (25-150)
500-203366-1	B-5	98
500-203366-2	B-6	97
500-203366-3	B-11	103
500-203366-4	PZ-10	94
500-203366-5	MW-10	114
500-203366-6	PZ-5	92
500-203366-7	PZ-5 DUP	91
500-203366-8	MW-5	111
500-203366-9	OMPZ-4	113
500-203366-10	MW-8	91
500-203366-10 MS	MW-8	98
500-203366-10 MSD	MW-8	95
500-203366-11	EB-01	102
500-203366-12	B-5A	87
500-203366-13	B-9	101
500-203366-14	B-12	94
500-203366-15	MW-2	94
500-203366-16	MW-1	102
500-203366-17	PZ-8	79
500-203366-18	OMPZ-3	79
500-203366-19	OMPZ-3 DUP	79
500-203366-20	PZ-9	91
500-203366-21	MW-9	114
500-203366-22	EB-02	122
500-203366-23	FB-02	129
500-203366-24	FB-01	126
LCS 320-514062/2-A	Lab Control Sample	127
LCS 320-514346/2-A	Lab Control Sample	106
LCS 320-515852/2-A	Lab Control Sample	79
LCSD 320-514062/3-A	Lab Control Sample Dup	124
LCSD 320-514346/3-A	Lab Control Sample Dup	102
LCSD 320-515852/3-A	Lab Control Sample Dup	89
MB 320-514062/1-A	Method Blank	122
MB 320-514346/1-A	Method Blank	105
MB 320-515852/1-A	Method Blank	89

Eurofins TestAmerica, Chicago

Isotope Dilution Summary

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

Job ID: 500-203366-1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFm = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

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ATTACHMENT B

VAPOR SAMPLING RESULTS

Table 2: Air Sample Analytical Results

Figure 2: First Floor Layout and Sub-Slab Sampling Locations

Figure 3: Basement Layout and Indoor and Outdoor Air Sampling Locations)

Laboratory Analytical Report (Pace Analytical)

Table 2. Air Sample Analytical Results

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

Sample Location	Sample Type	Sample Date	DRAFT																	
			Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Methyl-tert-butyl-ether	Naphthalene	1,1,1-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Reporting Units:			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	
VRSL Large Commercial/Industrial:			1,600	4,900	2,200,000	44,000	44,000	44,000	26,000	26,000	47,000	360	2,200,000	88,000	470	NS	18,000	NS	880	2,800
VAL Large Commercial/Industrial:			16	49	22,000	440	440	440	260	260	470	3.6	22,000	880	4.7	NS	180	NS	8.8	28
IA-B-1 (Basement)	Indoor Air	08/06/2021	1.4	1.3 J	6.1	2.1	4.2	6.3	2.7	1.3 J	<0.20	<3.4	<0.29	<0.21	<0.30	0.32 J	2.7	<0.26	<0.30	<0.13
IA-B-2 (Basement)	Indoor Air	08/06/2021	1.3	1.4	6.7	2.1	4.5	6.7	3.4	1.8	<0.19	3.3 J	<0.28	<0.21	<0.29	<0.29	1.8	<0.25	<0.29	<0.13
IA-B-3 (Basement)	Indoor Air	08/06/2021	1.3	1.5	7.4	2.5	5.1	7.6	4.0	1.7	<0.20	<3.4	<0.29	<0.21	<0.30	<0.30	1.3	<0.26	<0.30	<0.13
OA	Outdoor Air	08/06/2021	0.39 J	<0.50	0.50 J	<0.44	<1.0	<1.0	<0.57	<0.47	<0.20	<3.5	<0.30	<0.22	<0.31	<0.31	<0.47	<0.27	<0.32	<0.14
VP-1 (Machine Shop)	Sub-Slab Vapor	08/06/2021	<3.4	<9.2	<7.3	<8.1	<19.1	<19.1	<10.5	<8.6	<3.8	<64.7	45.9	<4.1	<5.8	<5.8	1,220	<5.0	<5.8	<2.6
VP-2 (Machine Shop)	Sub-Slab Vapor	08/06/2021	<1.8	<5.0	<3.9	<4.4	<10.3	<10.3	<5.7	<4.7	<2.0	<34.9	40.1	<2.2	<3.1	<3.1	878	<2.7	<3.2	<1.4
VP-3 (Machine Shop)	Sub-Slab Vapor	08/06/2021	<0.83	<2.3	2.1 J	<2.0	<4.7	<4.7	<2.6	2.3 J	<0.92	<15.8	15.9	<1.0	<1.4	<1.4	501	<1.2	<1.4	<0.63
VP-4 (Machine Shop)	Sub-Slab Vapor	08/06/2021	1.7	1.2 J	5.9	2.5	4.7	7.1	2.9	<0.43	<0.19	3.8 J	4.6	<0.21	<0.29	<0.29	74.9	<0.25	0.47 J	<0.13
IA-B-1 Cert#0838	QA/QC	08/07/2021	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087
IA-B-2 Cert#2135	QA/QC	08/07/2021	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043
IA-B-3 Cert#2052	QA/QC	08/07/2021	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087
OA Cert#2035	QA/QC	08/07/2021	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1	<0.093	<0.069	<0.097	<0.098	0.16 J	<0.084	<0.098	<0.043
VP-1 Cert#0240	QA/QC	08/07/2021	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087
VP-2 Cert#0224	QA/QC	08/07/2021	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2	<0.19	<0.14	<0.19	<0.20	0.53 J	<0.17	<0.20	<0.087
VP-3 Cert#0326	QA/QC	08/07/2021	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	0.38 J	<2.2	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087
VP-4 Cert#1750	QA/QC	08/07/2021	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043

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

Notes:

Plastic sheeting was removed approximately 24-hours prior to basement indoor air and sub-slab vapor sample collection. Plastic sheeting was replaced when sampling was completed.

Gray Text analyte not detected

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

Results & Flags:

< = Concentration was not detected above the reported limit

J = Estimated concentration

Acronyms:

µg/m³ = micrograms per cubic meter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

CVOC = Chlorinated Volatile Organic Compound

EPA = Environmental Protection Agency

ERP = Environmental Repair Program

FID = facility identification number

NS = No Standard

PVOC = Petroleum Volatile Organic Compound

QA/QC = quality assurance and quality control

VAL = Vapor Action Level for indoor air

VPLE = Voluntary Party Liability Exemption

VRSL = Vapor Risk Screening Level (= VAL/Attenuation Factor) for subsurface samples

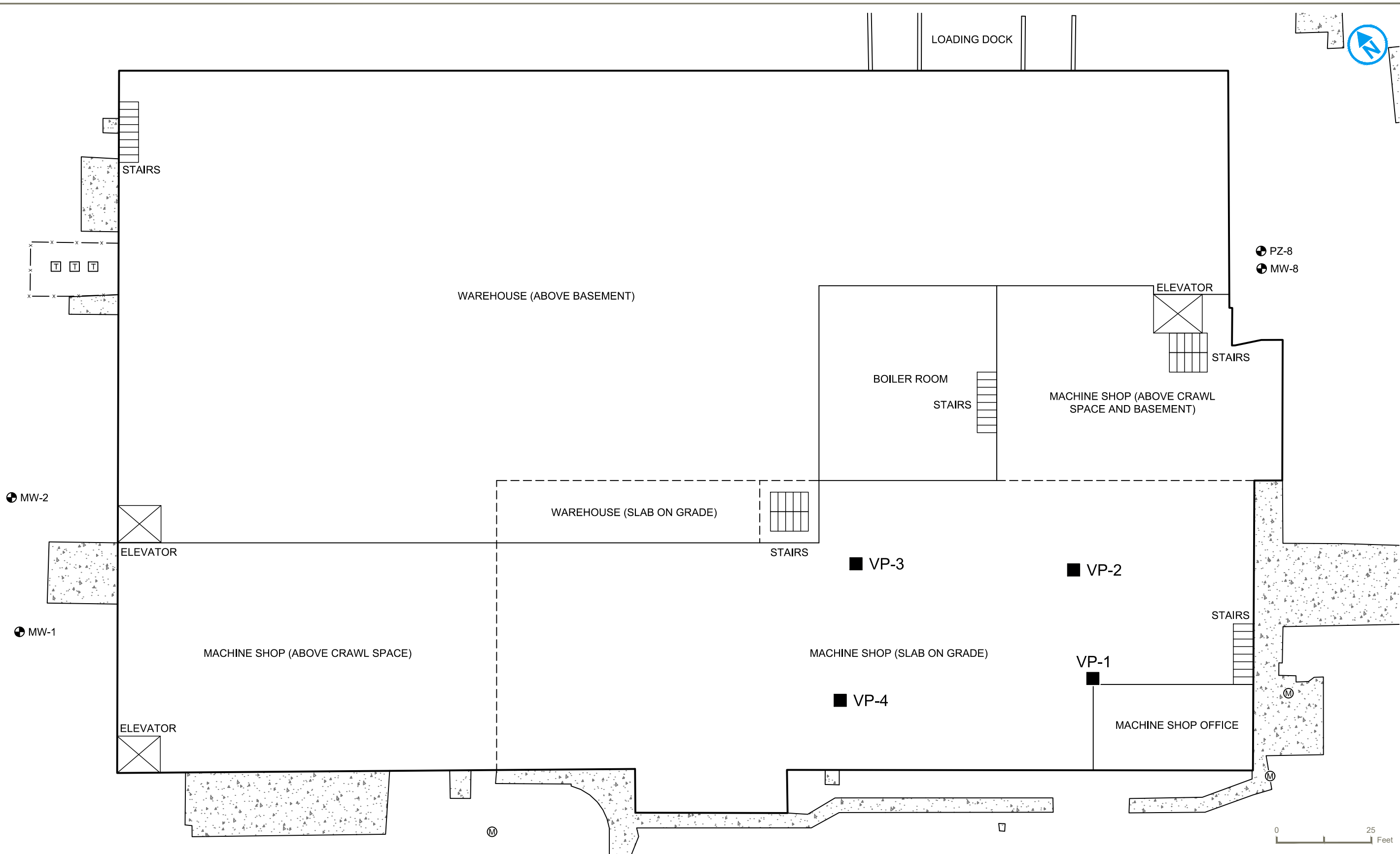
WI = Wisconsin

Screening Levels:

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

PROJECT: 1690019558 DATED: 8/19/2021 DESIGNER: HJW L:\Loop Project Files\CAD\1690019558_Newell_Mirro-20\PHI\2021-08\01_First Floor Layout and Sampling.dwg

SOUTH BRANCH OF THE MANITOWOC RIVER



LEGEND

- CHAIN LINK FENCE
- CONCRETE AREA
- M MANHOLE
- T TRANSFORMER
- + GROUNDWATER MONITORING WELL
- SUB-SLAB VAPOR MONITORING LOCATION

NOTE

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

FIRST FLOOR LAYOUT AND SUB-SLAB SAMPLING LOCATIONS

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

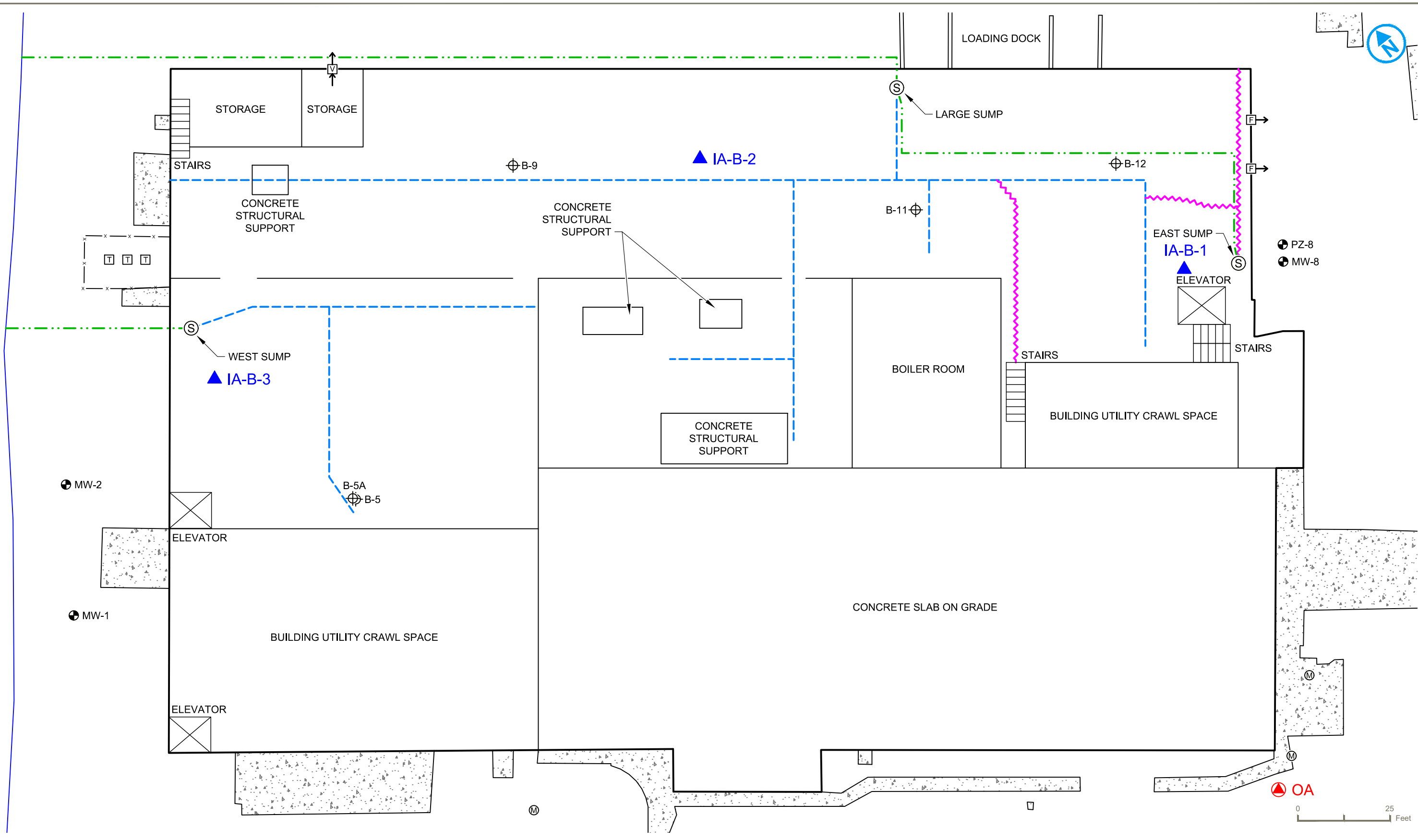
DRAFT

RAMBOLL

RAMBOLL US CONSULTING, INC.
 A RAMBOLL COMPANY

FIGURE 2

SOUTH BRANCH OF THE MANITOWOC RIVER



LEGEND

- x — CHAIN LINK FENCE
- CONCRETE AREA
- ⊙ SUMP PIT
- Ⓜ MANHOLE
- Ⓣ TRANSFORMER
- ⊕ GROUNDWATER MONITORING WELL

- ORIGINAL TRENCH NETWORK
- POST-2002 FLOOR SAWCUTS
- ▲ INDOOR AIR SAMPLE LOCATION
- ⊕ OUTDOOR AIR SAMPLE LOCATION
- ⊕ TEMPORARY MONITORING WELL
- ↔ FAN

- ↔ WALL VENT
- SUMP DISCHARGE LINE

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

BASEMENT LAYOUT AND INDOOR AND OUTDOOR AIR SAMPLING LOCATIONS

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

FIGURE 3

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

DRAFT

RAMBOLL

August 11, 2021

Susan Petrofske
Ramboll US Consulting, Inc.
234 West Florida St.
5th floor
Milwaukee, WI 53204

RE: Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Paul Lindquist, Ramboll US Consulting, Inc.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01*

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10573629001	IA-B-1	Air	08/06/21 13:25	08/07/21 09:00
10573629002	IA-B-1 Cert#0838	Air		08/07/21 09:00
10573629003	IA-B-2	Air	08/06/21 13:27	08/07/21 09:00
10573629004	IA-B-2 Cert#2135	Air		08/07/21 09:00
10573629005	IA-B-3	Air	08/06/21 13:29	08/07/21 09:00
10573629006	IA-B-3 Cert#2052	Air		08/07/21 09:00
10573629007	OA	Air	08/06/21 13:31	08/07/21 09:00
10573629008	OA Cert#2035	Air		08/07/21 09:00
10573629009	VP-1	Air	08/06/21 14:21	08/07/21 09:00
10573629010	VP-1 Cert#0240	Air		08/07/21 09:00
10573629011	VP-2	Air	08/06/21 14:52	08/07/21 09:00
10573629012	VP-2 Cert#0224	Air		08/07/21 09:00
10573629013	VP-3	Air	08/06/21 14:22	08/07/21 09:00
10573629014	VP-3 Cert#0326	Air		08/07/21 09:00
10573629015	VP-4	Air	08/06/21 15:04	08/07/21 09:00
10573629016	VP-4 Cert#1750	Air		08/07/21 09:00

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SAMPLE ANALYTE COUNT

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10573629001	IA-B-1	TO-15	MJL	18
10573629002	IA-B-1 Cert#0838	TO-15	EMC	18
10573629003	IA-B-2	TO-15	MJL	18
10573629004	IA-B-2 Cert#2135	TO-15	GT	18
10573629005	IA-B-3	TO-15	MJL	18
10573629006	IA-B-3 Cert#2052	TO-15	EMC	18
10573629007	OA	TO-15	MJL	18
10573629008	OA Cert#2035	TO-15	GT	18
10573629009	VP-1	TO-15	MJL	18
10573629010	VP-1 Cert#0240	TO-15	HMH	18
10573629011	VP-2	TO-15	MJL	18
10573629012	VP-2 Cert#0224	TO-15	AFV	18
10573629013	VP-3	TO-15	MJL	18
10573629014	VP-3 Cert#0326	TO-15	AFV	18
10573629015	VP-4	TO-15	MJL	18
10573629016	VP-4 Cert#1750	TO-15	AFV	18

PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Method: TO-15

Description: TO15 MSV AIR

Client: Ramboll Environ- WI AIR

Date: August 11, 2021

General Information:

8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Method: TO-15

Description: Individual Can Certification

Client: Ramboll Environ- WI AIR

Date: August 11, 2021

General Information:

8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: IA-B-1 **Lab ID: 10573629001** Collected: 08/06/21 13:25 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	1.4	ug/m3	0.50	0.18	1.55		08/09/21 14:30	71-43-2	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		08/09/21 14:30	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.55		08/09/21 14:30	75-35-4	
cis-1,2-Dichloroethene	0.32J	ug/m3	1.2	0.30	1.55		08/09/21 14:30	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.2	0.26	1.55		08/09/21 14:30	156-60-5	
Ethylbenzene	1.3J	ug/m3	1.4	0.48	1.55		08/09/21 14:30	100-41-4	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		08/09/21 14:30	1634-04-4	
Naphthalene	<3.4	ug/m3	4.1	3.4	1.55		08/09/21 14:30	91-20-3	
Tetrachloroethene	2.7	ug/m3	1.1	0.45	1.55		08/09/21 14:30	127-18-4	
Toluene	6.1	ug/m3	1.2	0.38	1.55		08/09/21 14:30	108-88-3	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.55		08/09/21 14:30	71-55-6	
Trichloroethene	<0.30	ug/m3	0.85	0.30	1.55		08/09/21 14:30	79-01-6	
1,2,4-Trimethylbenzene	2.7	ug/m3	1.5	0.55	1.55		08/09/21 14:30	95-63-6	
1,3,5-Trimethylbenzene	1.3J	ug/m3	1.5	0.45	1.55		08/09/21 14:30	108-67-8	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.55		08/09/21 14:30	75-01-4	
Xylene (Total)	6.3	ug/m3	4.1	1.0	1.55		08/09/21 14:30	1330-20-7	
m&p-Xylene	4.2	ug/m3	2.7	1.0	1.55		08/09/21 14:30	179601-23-1	
o-Xylene	2.1	ug/m3	1.4	0.42	1.55		08/09/21 14:30	95-47-6	

Sample: IA-B-1 Cert#0838 **Lab ID: 10573629002** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.11	ug/m3	0.32	0.11	1		07/23/21 11:33	71-43-2	
1,2-Dichloroethane	<0.19	ug/m3	0.82	0.19	1		07/23/21 11:33	107-06-2	
1,1-Dichloroethene	<0.14	ug/m3	0.81	0.14	1		07/23/21 11:33	75-35-4	
cis-1,2-Dichloroethene	<0.20	ug/m3	0.81	0.20	1		07/23/21 11:33	156-59-2	
trans-1,2-Dichloroethene	<0.17	ug/m3	0.81	0.17	1		07/23/21 11:33	156-60-5	
Ethylbenzene	<0.31	ug/m3	0.88	0.31	1		07/23/21 11:33	100-41-4	
Methyl-tert-butyl ether	<0.13	ug/m3	3.7	0.13	1		07/23/21 11:33	1634-04-4	
Naphthalene	<2.2	ug/m3	2.7	2.2	1		07/23/21 11:33	91-20-3	
Tetrachloroethene	<0.29	ug/m3	0.69	0.29	1		07/23/21 11:33	127-18-4	
Toluene	<0.24	ug/m3	0.77	0.24	1		07/23/21 11:33	108-88-3	
1,1,1-Trichloroethane	<0.19	ug/m3	1.1	0.19	1		07/23/21 11:33	71-55-6	
Trichloroethene	<0.20	ug/m3	0.55	0.20	1		07/23/21 11:33	79-01-6	
1,2,4-Trimethylbenzene	<0.35	ug/m3	1.0	0.35	1		07/23/21 11:33	95-63-6	
1,3,5-Trimethylbenzene	<0.29	ug/m3	1.0	0.29	1		07/23/21 11:33	108-67-8	
Vinyl chloride	<0.087	ug/m3	0.26	0.087	1		07/23/21 11:33	75-01-4	
Xylene (Total)	<0.64	ug/m3	2.6	0.64	1		07/23/21 11:33	1330-20-7	
m&p-Xylene	<0.64	ug/m3	1.8	0.64	1		07/23/21 11:33	179601-23-1	
o-Xylene	<0.27	ug/m3	0.88	0.27	1		07/23/21 11:33	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: IA-B-2 **Lab ID: 10573629003** Collected: 08/06/21 13:27 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	1.3	ug/m3	0.48	0.17	1.49		08/09/21 15:05	71-43-2	
1,2-Dichloroethane	<0.29	ug/m3	1.2	0.29	1.49		08/09/21 15:05	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.49		08/09/21 15:05	75-35-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.2	0.29	1.49		08/09/21 15:05	156-59-2	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.49		08/09/21 15:05	156-60-5	
Ethylbenzene	1.4	ug/m3	1.3	0.46	1.49		08/09/21 15:05	100-41-4	
Methyl-tert-butyl ether	<0.19	ug/m3	5.5	0.19	1.49		08/09/21 15:05	1634-04-4	
Naphthalene	3.3J	ug/m3	4.0	3.2	1.49		08/09/21 15:05	91-20-3	
Tetrachloroethene	1.8	ug/m3	1.0	0.44	1.49		08/09/21 15:05	127-18-4	
Toluene	6.7	ug/m3	1.1	0.36	1.49		08/09/21 15:05	108-88-3	
1,1,1-Trichloroethane	<0.28	ug/m3	1.7	0.28	1.49		08/09/21 15:05	71-55-6	
Trichloroethene	<0.29	ug/m3	0.81	0.29	1.49		08/09/21 15:05	79-01-6	
1,2,4-Trimethylbenzene	3.4	ug/m3	1.5	0.53	1.49		08/09/21 15:05	95-63-6	
1,3,5-Trimethylbenzene	1.8	ug/m3	1.5	0.43	1.49		08/09/21 15:05	108-67-8	
Vinyl chloride	<0.13	ug/m3	0.39	0.13	1.49		08/09/21 15:05	75-01-4	
Xylene (Total)	6.7	ug/m3	3.9	0.96	1.49		08/09/21 15:05	1330-20-7	
m&p-Xylene	4.5	ug/m3	2.6	0.96	1.49		08/09/21 15:05	179601-23-1	
o-Xylene	2.1	ug/m3	1.3	0.40	1.49		08/09/21 15:05	95-47-6	

Sample: IA-B-2 Cert#2135 **Lab ID: 10573629004** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.057	ug/m3	0.16	0.057	0.5		07/21/21 18:14	71-43-2	
1,2-Dichloroethane	<0.097	ug/m3	0.41	0.097	0.5		07/21/21 18:14	107-06-2	
1,1-Dichloroethene	<0.069	ug/m3	0.40	0.069	0.5		07/21/21 18:14	75-35-4	
cis-1,2-Dichloroethene	<0.098	ug/m3	0.40	0.098	0.5		07/21/21 18:14	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	0.40	0.084	0.5		07/21/21 18:14	156-60-5	
Ethylbenzene	<0.15	ug/m3	0.44	0.15	0.5		07/21/21 18:14	100-41-4	
Methyl-tert-butyl ether	<0.063	ug/m3	1.8	0.063	0.5		07/21/21 18:14	1634-04-4	
Naphthalene	<1.1	ug/m3	1.3	1.1	0.5		07/21/21 18:14	91-20-3	
Tetrachloroethene	<0.15	ug/m3	0.34	0.15	0.5		07/21/21 18:14	127-18-4	
Toluene	<0.12	ug/m3	0.38	0.12	0.5		07/21/21 18:14	108-88-3	
1,1,1-Trichloroethane	<0.093	ug/m3	0.56	0.093	0.5		07/21/21 18:14	71-55-6	
Trichloroethene	<0.098	ug/m3	0.27	0.098	0.5		07/21/21 18:14	79-01-6	
1,2,4-Trimethylbenzene	<0.18	ug/m3	0.50	0.18	0.5		07/21/21 18:14	95-63-6	
1,3,5-Trimethylbenzene	<0.14	ug/m3	0.50	0.14	0.5		07/21/21 18:14	108-67-8	
Vinyl chloride	<0.043	ug/m3	0.13	0.043	0.5		07/21/21 18:14	75-01-4	
Xylene (Total)	<0.32	ug/m3	1.3	0.32	0.5		07/21/21 18:14	1330-20-7	
m&p-Xylene	<0.32	ug/m3	0.88	0.32	0.5		07/21/21 18:14	179601-23-1	
o-Xylene	<0.14	ug/m3	0.44	0.14	0.5		07/21/21 18:14	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: IA-B-3 Lab ID: 10573629005 Collected: 08/06/21 13:29 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	1.3	ug/m3	0.50	0.18	1.55		08/09/21 15:41	71-43-2	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		08/09/21 15:41	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.55		08/09/21 15:41	75-35-4	
cis-1,2-Dichloroethene	<0.30	ug/m3	1.2	0.30	1.55		08/09/21 15:41	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.2	0.26	1.55		08/09/21 15:41	156-60-5	
Ethylbenzene	1.5	ug/m3	1.4	0.48	1.55		08/09/21 15:41	100-41-4	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		08/09/21 15:41	1634-04-4	
Naphthalene	<3.4	ug/m3	4.1	3.4	1.55		08/09/21 15:41	91-20-3	
Tetrachloroethene	1.3	ug/m3	1.1	0.45	1.55		08/09/21 15:41	127-18-4	
Toluene	7.4	ug/m3	1.2	0.38	1.55		08/09/21 15:41	108-88-3	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.55		08/09/21 15:41	71-55-6	
Trichloroethene	<0.30	ug/m3	0.85	0.30	1.55		08/09/21 15:41	79-01-6	
1,2,4-Trimethylbenzene	4.0	ug/m3	1.5	0.55	1.55		08/09/21 15:41	95-63-6	
1,3,5-Trimethylbenzene	1.7	ug/m3	1.5	0.45	1.55		08/09/21 15:41	108-67-8	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.55		08/09/21 15:41	75-01-4	
Xylene (Total)	7.6	ug/m3	4.1	1.0	1.55		08/09/21 15:41	1330-20-7	
m&p-Xylene	5.1	ug/m3	2.7	1.0	1.55		08/09/21 15:41	179601-23-1	
o-Xylene	2.5	ug/m3	1.4	0.42	1.55		08/09/21 15:41	95-47-6	

Sample: IA-B-3 Cert#2052 Lab ID: 10573629006 Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.11	ug/m3	0.32	0.11	1		07/27/21 11:19	71-43-2	
1,2-Dichloroethane	<0.19	ug/m3	0.82	0.19	1		07/27/21 11:19	107-06-2	
1,1-Dichloroethene	<0.14	ug/m3	0.81	0.14	1		07/27/21 11:19	75-35-4	
cis-1,2-Dichloroethene	<0.20	ug/m3	0.81	0.20	1		07/27/21 11:19	156-59-2	
trans-1,2-Dichloroethene	<0.17	ug/m3	0.81	0.17	1		07/27/21 11:19	156-60-5	
Ethylbenzene	<0.31	ug/m3	0.88	0.31	1		07/27/21 11:19	100-41-4	
Methyl-tert-butyl ether	<0.13	ug/m3	3.7	0.13	1		07/27/21 11:19	1634-04-4	
Naphthalene	<2.2	ug/m3	2.7	2.2	1		07/27/21 11:19	91-20-3	
Tetrachloroethene	<0.29	ug/m3	0.69	0.29	1		07/27/21 11:19	127-18-4	
Toluene	<0.24	ug/m3	0.77	0.24	1		07/27/21 11:19	108-88-3	
1,1,1-Trichloroethane	<0.19	ug/m3	1.1	0.19	1		07/27/21 11:19	71-55-6	
Trichloroethene	<0.20	ug/m3	0.55	0.20	1		07/27/21 11:19	79-01-6	
1,2,4-Trimethylbenzene	<0.35	ug/m3	1.0	0.35	1		07/27/21 11:19	95-63-6	
1,3,5-Trimethylbenzene	<0.29	ug/m3	1.0	0.29	1		07/27/21 11:19	108-67-8	
Vinyl chloride	<0.087	ug/m3	0.26	0.087	1		07/27/21 11:19	75-01-4	
Xylene (Total)	<0.64	ug/m3	2.6	0.64	1		07/27/21 11:19	1330-20-7	
m&p-Xylene	<0.64	ug/m3	1.8	0.64	1		07/27/21 11:19	179601-23-1	
o-Xylene	<0.27	ug/m3	0.88	0.27	1		07/27/21 11:19	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: OA **Lab ID: 10573629007** Collected: 08/06/21 13:31 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	0.39J	ug/m3	0.52	0.18	1.61		08/09/21 16:17	71-43-2	
1,2-Dichloroethane	<0.31	ug/m3	1.3	0.31	1.61		08/09/21 16:17	107-06-2	
1,1-Dichloroethene	<0.22	ug/m3	1.3	0.22	1.61		08/09/21 16:17	75-35-4	
cis-1,2-Dichloroethene	<0.31	ug/m3	1.3	0.31	1.61		08/09/21 16:17	156-59-2	
trans-1,2-Dichloroethene	<0.27	ug/m3	1.3	0.27	1.61		08/09/21 16:17	156-60-5	
Ethylbenzene	<0.50	ug/m3	1.4	0.50	1.61		08/09/21 16:17	100-41-4	
Methyl-tert-butyl ether	<0.20	ug/m3	5.9	0.20	1.61		08/09/21 16:17	1634-04-4	
Naphthalene	<3.5	ug/m3	4.3	3.5	1.61		08/09/21 16:17	91-20-3	
Tetrachloroethene	<0.47	ug/m3	1.1	0.47	1.61		08/09/21 16:17	127-18-4	
Toluene	0.50J	ug/m3	1.2	0.39	1.61		08/09/21 16:17	108-88-3	
1,1,1-Trichloroethane	<0.30	ug/m3	1.8	0.30	1.61		08/09/21 16:17	71-55-6	
Trichloroethene	<0.32	ug/m3	0.88	0.32	1.61		08/09/21 16:17	79-01-6	
1,2,4-Trimethylbenzene	<0.57	ug/m3	1.6	0.57	1.61		08/09/21 16:17	95-63-6	
1,3,5-Trimethylbenzene	<0.47	ug/m3	1.6	0.47	1.61		08/09/21 16:17	108-67-8	
Vinyl chloride	<0.14	ug/m3	0.42	0.14	1.61		08/09/21 16:17	75-01-4	
Xylene (Total)	<1.0	ug/m3	4.3	1.0	1.61		08/09/21 16:17	1330-20-7	
m&p-Xylene	<1.0	ug/m3	2.8	1.0	1.61		08/09/21 16:17	179601-23-1	
o-Xylene	<0.44	ug/m3	1.4	0.44	1.61		08/09/21 16:17	95-47-6	

Sample: OA Cert#2035 **Lab ID: 10573629008** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.057	ug/m3	0.16	0.057	0.5		07/26/21 10:00	71-43-2	
1,2-Dichloroethane	<0.097	ug/m3	0.41	0.097	0.5		07/26/21 10:00	107-06-2	
1,1-Dichloroethene	<0.069	ug/m3	0.40	0.069	0.5		07/26/21 10:00	75-35-4	
cis-1,2-Dichloroethene	<0.098	ug/m3	0.40	0.098	0.5		07/26/21 10:00	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	0.40	0.084	0.5		07/26/21 10:00	156-60-5	
Ethylbenzene	<0.15	ug/m3	0.44	0.15	0.5		07/26/21 10:00	100-41-4	
Methyl-tert-butyl ether	<0.063	ug/m3	1.8	0.063	0.5		07/26/21 10:00	1634-04-4	
Naphthalene	<1.1	ug/m3	1.3	1.1	0.5		07/26/21 10:00	91-20-3	
Tetrachloroethene	0.16J	ug/m3	0.34	0.15	0.5		07/26/21 10:00	127-18-4	
Toluene	<0.12	ug/m3	0.38	0.12	0.5		07/26/21 10:00	108-88-3	
1,1,1-Trichloroethane	<0.093	ug/m3	0.56	0.093	0.5		07/26/21 10:00	71-55-6	
Trichloroethene	<0.098	ug/m3	0.27	0.098	0.5		07/26/21 10:00	79-01-6	
1,2,4-Trimethylbenzene	<0.18	ug/m3	0.50	0.18	0.5		07/26/21 10:00	95-63-6	
1,3,5-Trimethylbenzene	<0.14	ug/m3	0.50	0.14	0.5		07/26/21 10:00	108-67-8	
Vinyl chloride	<0.043	ug/m3	0.13	0.043	0.5		07/26/21 10:00	75-01-4	
Xylene (Total)	<0.32	ug/m3	1.3	0.32	0.5		07/26/21 10:00	1330-20-7	
m&p-Xylene	<0.32	ug/m3	0.88	0.32	0.5		07/26/21 10:00	179601-23-1	
o-Xylene	<0.14	ug/m3	0.44	0.14	0.5		07/26/21 10:00	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: VP-1 Lab ID: 10573629009 Collected: 08/06/21 14:21 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<3.4	ug/m3	9.7	3.4	29.8		08/09/21 18:25	71-43-2	
1,2-Dichloroethane	<5.8	ug/m3	24.5	5.8	29.8		08/09/21 18:25	107-06-2	
1,1-Dichloroethene	<4.1	ug/m3	24.0	4.1	29.8		08/09/21 18:25	75-35-4	
cis-1,2-Dichloroethene	<5.8	ug/m3	24.0	5.8	29.8		08/09/21 18:25	156-59-2	
trans-1,2-Dichloroethene	<5.0	ug/m3	24.0	5.0	29.8		08/09/21 18:25	156-60-5	
Ethylbenzene	<9.2	ug/m3	26.3	9.2	29.8		08/09/21 18:25	100-41-4	
Methyl-tert-butyl ether	<3.8	ug/m3	109	3.8	29.8		08/09/21 18:25	1634-04-4	
Naphthalene	<64.7	ug/m3	79.3	64.7	29.8		08/09/21 18:25	91-20-3	
Tetrachloroethene	1220	ug/m3	20.5	8.7	29.8		08/09/21 18:25	127-18-4	
Toluene	<7.3	ug/m3	22.8	7.3	29.8		08/09/21 18:25	108-88-3	
1,1,1-Trichloroethane	45.9	ug/m3	33.1	5.5	29.8		08/09/21 18:25	71-55-6	
Trichloroethene	<5.8	ug/m3	16.3	5.8	29.8		08/09/21 18:25	79-01-6	
1,2,4-Trimethylbenzene	<10.5	ug/m3	29.8	10.5	29.8		08/09/21 18:25	95-63-6	
1,3,5-Trimethylbenzene	<8.6	ug/m3	29.8	8.6	29.8		08/09/21 18:25	108-67-8	
Vinyl chloride	<2.6	ug/m3	7.7	2.6	29.8		08/09/21 18:25	75-01-4	
Xylene (Total)	<19.1	ug/m3	79.0	19.1	29.8		08/09/21 18:25	1330-20-7	
m&p-Xylene	<19.1	ug/m3	52.7	19.1	29.8		08/09/21 18:25	179601-23-1	
o-Xylene	<8.1	ug/m3	26.3	8.1	29.8		08/09/21 18:25	95-47-6	

Sample: VP-1 Cert#0240 Lab ID: 10573629010 Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.11	ug/m3	0.32	0.11	1		07/28/21 10:47	71-43-2	
1,2-Dichloroethane	<0.19	ug/m3	0.82	0.19	1		07/28/21 10:47	107-06-2	
1,1-Dichloroethene	<0.14	ug/m3	0.81	0.14	1		07/28/21 10:47	75-35-4	
cis-1,2-Dichloroethene	<0.20	ug/m3	0.81	0.20	1		07/28/21 10:47	156-59-2	
trans-1,2-Dichloroethene	<0.17	ug/m3	0.81	0.17	1		07/28/21 10:47	156-60-5	
Ethylbenzene	<0.31	ug/m3	2.2	0.31	1		07/28/21 10:47	100-41-4	
Methyl-tert-butyl ether	<0.13	ug/m3	3.7	0.13	1		07/28/21 10:47	1634-04-4	
Naphthalene	<2.2	ug/m3	2.7	2.2	1		07/28/21 10:47	91-20-3	
Tetrachloroethene	<0.29	ug/m3	0.69	0.29	1		07/28/21 10:47	127-18-4	
Toluene	<0.24	ug/m3	0.77	0.24	1		07/28/21 10:47	108-88-3	
1,1,1-Trichloroethane	<0.19	ug/m3	1.1	0.19	1		07/28/21 10:47	71-55-6	
Trichloroethene	<0.20	ug/m3	0.55	0.20	1		07/28/21 10:47	79-01-6	
1,2,4-Trimethylbenzene	<0.35	ug/m3	1.0	0.35	1		07/28/21 10:47	95-63-6	
1,3,5-Trimethylbenzene	<0.29	ug/m3	1.0	0.29	1		07/28/21 10:47	108-67-8	
Vinyl chloride	<0.087	ug/m3	0.26	0.087	1		07/28/21 10:47	75-01-4	
Xylene (Total)	<0.64	ug/m3	2.6	0.64	1		07/28/21 10:47	1330-20-7	
m&p-Xylene	<0.64	ug/m3	1.8	0.64	1		07/28/21 10:47	179601-23-1	
o-Xylene	<0.27	ug/m3	0.88	0.27	1		07/28/21 10:47	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: VP-2									
Lab ID: 10573629011									
Collected: 08/06/21 14:52									
Received: 08/07/21 09:00									
Matrix: Air									
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<1.8	ug/m3	5.2	1.8	16.1		08/09/21 17:54	71-43-2	
1,2-Dichloroethane	<3.1	ug/m3	13.3	3.1	16.1		08/09/21 17:54	107-06-2	
1,1-Dichloroethene	<2.2	ug/m3	13.0	2.2	16.1		08/09/21 17:54	75-35-4	
cis-1,2-Dichloroethene	<3.1	ug/m3	13.0	3.1	16.1		08/09/21 17:54	156-59-2	
trans-1,2-Dichloroethene	<2.7	ug/m3	13.0	2.7	16.1		08/09/21 17:54	156-60-5	
Ethylbenzene	<5.0	ug/m3	14.2	5.0	16.1		08/09/21 17:54	100-41-4	
Methyl-tert-butyl ether	<2.0	ug/m3	58.9	2.0	16.1		08/09/21 17:54	1634-04-4	
Naphthalene	<34.9	ug/m3	42.8	34.9	16.1		08/09/21 17:54	91-20-3	
Tetrachloroethene	878	ug/m3	11.1	4.7	16.1		08/09/21 17:54	127-18-4	
Toluene	<3.9	ug/m3	12.3	3.9	16.1		08/09/21 17:54	108-88-3	
1,1,1-Trichloroethane	40.1	ug/m3	17.9	3.0	16.1		08/09/21 17:54	71-55-6	
Trichloroethene	<3.2	ug/m3	8.8	3.2	16.1		08/09/21 17:54	79-01-6	
1,2,4-Trimethylbenzene	<5.7	ug/m3	16.1	5.7	16.1		08/09/21 17:54	95-63-6	
1,3,5-Trimethylbenzene	<4.7	ug/m3	16.1	4.7	16.1		08/09/21 17:54	108-67-8	
Vinyl chloride	<1.4	ug/m3	4.2	1.4	16.1		08/09/21 17:54	75-01-4	
Xylene (Total)	<10.3	ug/m3	42.7	10.3	16.1		08/09/21 17:54	1330-20-7	
m&p-Xylene	<10.3	ug/m3	28.5	10.3	16.1		08/09/21 17:54	179601-23-1	
o-Xylene	<4.4	ug/m3	14.2	4.4	16.1		08/09/21 17:54	95-47-6	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: VP-2 Cert#0224									
Lab ID: 10573629012									
Collected:									
Received: 08/07/21 09:00									
Matrix: Air									
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.11	ug/m3	0.32	0.11	1		07/22/21 12:24	71-43-2	
1,2-Dichloroethane	<0.19	ug/m3	0.82	0.19	1		07/22/21 12:24	107-06-2	
1,1-Dichloroethene	<0.14	ug/m3	0.81	0.14	1		07/22/21 12:24	75-35-4	
cis-1,2-Dichloroethene	<0.20	ug/m3	0.81	0.20	1		07/22/21 12:24	156-59-2	
trans-1,2-Dichloroethene	<0.17	ug/m3	0.81	0.17	1		07/22/21 12:24	156-60-5	
Ethylbenzene	<0.31	ug/m3	0.88	0.31	1		07/22/21 12:24	100-41-4	
Methyl-tert-butyl ether	<0.13	ug/m3	3.7	0.13	1		07/22/21 12:24	1634-04-4	
Naphthalene	<2.2	ug/m3	2.7	2.2	1		07/22/21 12:24	91-20-3	
Tetrachloroethene	0.53J	ug/m3	0.69	0.29	1		07/22/21 12:24	127-18-4	
Toluene	<0.24	ug/m3	1.9	0.24	1		07/22/21 12:24	108-88-3	
1,1,1-Trichloroethane	<0.19	ug/m3	1.1	0.19	1		07/22/21 12:24	71-55-6	
Trichloroethene	<0.20	ug/m3	1.1	0.20	1		07/22/21 12:24	79-01-6	
1,2,4-Trimethylbenzene	<0.35	ug/m3	1.0	0.35	1		07/22/21 12:24	95-63-6	
1,3,5-Trimethylbenzene	<0.29	ug/m3	1.0	0.29	1		07/22/21 12:24	108-67-8	
Vinyl chloride	<0.087	ug/m3	0.52	0.087	1		07/22/21 12:24	75-01-4	
Xylene (Total)	<0.64	ug/m3	2.6	0.64	1		07/22/21 12:24	1330-20-7	
m&p-Xylene	<0.64	ug/m3	1.8	0.64	1		07/22/21 12:24	179601-23-1	
o-Xylene	<0.27	ug/m3	0.88	0.27	1		07/22/21 12:24	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: VP-3 **Lab ID: 10573629013** Collected: 08/06/21 14:22 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.83	ug/m3	2.4	0.83	7.3		08/09/21 17:23	71-43-2	
1,2-Dichloroethane	<1.4	ug/m3	6.0	1.4	7.3		08/09/21 17:23	107-06-2	
1,1-Dichloroethene	<1.0	ug/m3	5.9	1.0	7.3		08/09/21 17:23	75-35-4	
cis-1,2-Dichloroethene	<1.4	ug/m3	5.9	1.4	7.3		08/09/21 17:23	156-59-2	
trans-1,2-Dichloroethene	<1.2	ug/m3	5.9	1.2	7.3		08/09/21 17:23	156-60-5	
Ethylbenzene	<2.3	ug/m3	6.4	2.3	7.3		08/09/21 17:23	100-41-4	
Methyl-tert-butyl ether	<0.92	ug/m3	26.7	0.92	7.3		08/09/21 17:23	1634-04-4	
Naphthalene	<15.8	ug/m3	19.4	15.8	7.3		08/09/21 17:23	91-20-3	
Tetrachloroethene	501	ug/m3	5.0	2.1	7.3		08/09/21 17:23	127-18-4	
Toluene	2.1J	ug/m3	5.6	1.8	7.3		08/09/21 17:23	108-88-3	
1,1,1-Trichloroethane	15.9	ug/m3	8.1	1.4	7.3		08/09/21 17:23	71-55-6	
Trichloroethene	<1.4	ug/m3	4.0	1.4	7.3		08/09/21 17:23	79-01-6	
1,2,4-Trimethylbenzene	<2.6	ug/m3	7.3	2.6	7.3		08/09/21 17:23	95-63-6	
1,3,5-Trimethylbenzene	2.3J	ug/m3	7.3	2.1	7.3		08/09/21 17:23	108-67-8	
Vinyl chloride	<0.63	ug/m3	1.9	0.63	7.3		08/09/21 17:23	75-01-4	
Xylene (Total)	<4.7	ug/m3	19.3	4.7	7.3		08/09/21 17:23	1330-20-7	
m&p-Xylene	<4.7	ug/m3	12.9	4.7	7.3		08/09/21 17:23	179601-23-1	
o-Xylene	<2.0	ug/m3	6.4	2.0	7.3		08/09/21 17:23	95-47-6	

Sample: VP-3 Cert#0326 **Lab ID: 10573629014** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.11	ug/m3	0.32	0.11	1		07/27/21 22:43	71-43-2	
1,2-Dichloroethane	<0.19	ug/m3	0.82	0.19	1		07/27/21 22:43	107-06-2	
1,1-Dichloroethene	<0.14	ug/m3	0.81	0.14	1		07/27/21 22:43	75-35-4	
cis-1,2-Dichloroethene	<0.20	ug/m3	0.81	0.20	1		07/27/21 22:43	156-59-2	
trans-1,2-Dichloroethene	<0.17	ug/m3	0.81	0.17	1		07/27/21 22:43	156-60-5	
Ethylbenzene	<0.31	ug/m3	0.88	0.31	1		07/27/21 22:43	100-41-4	
Methyl-tert-butyl ether	0.38J	ug/m3	3.7	0.13	1		07/27/21 22:43	1634-04-4	
Naphthalene	<2.2	ug/m3	2.7	2.2	1		07/27/21 22:43	91-20-3	
Tetrachloroethene	<0.29	ug/m3	0.69	0.29	1		07/27/21 22:43	127-18-4	
Toluene	<0.24	ug/m3	1.9	0.24	1		07/27/21 22:43	108-88-3	
1,1,1-Trichloroethane	<0.19	ug/m3	1.1	0.19	1		07/27/21 22:43	71-55-6	
Trichloroethene	<0.20	ug/m3	1.1	0.20	1		07/27/21 22:43	79-01-6	
1,2,4-Trimethylbenzene	<0.35	ug/m3	1.0	0.35	1		07/27/21 22:43	95-63-6	
1,3,5-Trimethylbenzene	<0.29	ug/m3	1.0	0.29	1		07/27/21 22:43	108-67-8	
Vinyl chloride	<0.087	ug/m3	0.52	0.087	1		07/27/21 22:43	75-01-4	
Xylene (Total)	<0.64	ug/m3	2.6	0.64	1		07/27/21 22:43	1330-20-7	
m&p-Xylene	<0.64	ug/m3	1.8	0.64	1		07/27/21 22:43	179601-23-1	
o-Xylene	<0.27	ug/m3	0.88	0.27	1		07/27/21 22:43	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Sample: VP-4 Lab ID: 10573629015 Collected: 08/06/21 15:04 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	1.7	ug/m3	0.48	0.17	1.49		08/09/21 16:52	71-43-2	
1,2-Dichloroethane	<0.29	ug/m3	1.2	0.29	1.49		08/09/21 16:52	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.49		08/09/21 16:52	75-35-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.2	0.29	1.49		08/09/21 16:52	156-59-2	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.49		08/09/21 16:52	156-60-5	
Ethylbenzene	1.2J	ug/m3	1.3	0.46	1.49		08/09/21 16:52	100-41-4	
Methyl-tert-butyl ether	<0.19	ug/m3	5.5	0.19	1.49		08/09/21 16:52	1634-04-4	
Naphthalene	3.8J	ug/m3	4.0	3.2	1.49		08/09/21 16:52	91-20-3	
Tetrachloroethene	74.9	ug/m3	1.0	0.44	1.49		08/09/21 16:52	127-18-4	
Toluene	5.9	ug/m3	1.1	0.36	1.49		08/09/21 16:52	108-88-3	
1,1,1-Trichloroethane	4.6	ug/m3	1.7	0.28	1.49		08/09/21 16:52	71-55-6	
Trichloroethene	0.47J	ug/m3	0.81	0.29	1.49		08/09/21 16:52	79-01-6	
1,2,4-Trimethylbenzene	2.9	ug/m3	1.5	0.53	1.49		08/09/21 16:52	95-63-6	
1,3,5-Trimethylbenzene	<0.43	ug/m3	1.5	0.43	1.49		08/09/21 16:52	108-67-8	
Vinyl chloride	<0.13	ug/m3	0.39	0.13	1.49		08/09/21 16:52	75-01-4	
Xylene (Total)	7.1	ug/m3	3.9	0.96	1.49		08/09/21 16:52	1330-20-7	
m&p-Xylene	4.7	ug/m3	2.6	0.96	1.49		08/09/21 16:52	179601-23-1	
o-Xylene	2.5	ug/m3	1.3	0.40	1.49		08/09/21 16:52	95-47-6	

Sample: VP-4 Cert#1750 Lab ID: 10573629016 Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Benzene	<0.057	ug/m3	0.16	0.057	0.5		07/01/21 09:39	71-43-2	
1,2-Dichloroethane	<0.097	ug/m3	0.41	0.097	0.5		07/01/21 09:39	107-06-2	
1,1-Dichloroethene	<0.069	ug/m3	0.40	0.069	0.5		07/01/21 09:39	75-35-4	
cis-1,2-Dichloroethene	<0.098	ug/m3	0.40	0.098	0.5		07/01/21 09:39	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	0.40	0.084	0.5		07/01/21 09:39	156-60-5	
Ethylbenzene	<0.15	ug/m3	0.44	0.15	0.5		07/01/21 09:39	100-41-4	
Methyl-tert-butyl ether	<0.063	ug/m3	1.8	0.063	0.5		07/01/21 09:39	1634-04-4	
Naphthalene	<1.1	ug/m3	1.3	1.1	0.5		07/01/21 09:39	91-20-3	
Tetrachloroethene	<0.15	ug/m3	0.69	0.15	0.5		07/01/21 09:39	127-18-4	
Toluene	<0.12	ug/m3	0.38	0.12	0.5		07/01/21 09:39	108-88-3	
1,1,1-Trichloroethane	<0.093	ug/m3	0.56	0.093	0.5		07/01/21 09:39	71-55-6	
Trichloroethene	<0.098	ug/m3	0.27	0.098	0.5		07/01/21 09:39	79-01-6	
1,2,4-Trimethylbenzene	<0.18	ug/m3	0.50	0.18	0.5		07/01/21 09:39	95-63-6	
1,3,5-Trimethylbenzene	<0.14	ug/m3	0.50	0.14	0.5		07/01/21 09:39	108-67-8	
Vinyl chloride	<0.043	ug/m3	0.13	0.043	0.5		07/01/21 09:39	75-01-4	
Xylene (Total)	<0.32	ug/m3	1.3	0.32	0.5		07/01/21 09:39	1330-20-7	
m&p-Xylene	<0.32	ug/m3	0.88	0.32	0.5		07/01/21 09:39	179601-23-1	
o-Xylene	<0.14	ug/m3	0.44	0.14	0.5		07/01/21 09:39	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

QC Batch:	762154	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10573629001, 10573629003, 10573629005, 10573629007, 10573629009, 10573629011, 10573629013, 10573629015

METHOD BLANK: 4063584 Matrix: Air

Associated Lab Samples: 10573629001, 10573629003, 10573629005, 10573629007, 10573629009, 10573629011, 10573629013, 10573629015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	08/09/21 10:11	
1,1-Dichloroethene	ug/m3	<0.069	0.40	08/09/21 10:11	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	08/09/21 10:11	
1,2-Dichloroethane	ug/m3	<0.097	0.41	08/09/21 10:11	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	08/09/21 10:11	
Benzene	ug/m3	<0.057	0.16	08/09/21 10:11	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	08/09/21 10:11	
Ethylbenzene	ug/m3	<0.15	0.44	08/09/21 10:11	
m&p-Xylene	ug/m3	<0.32	0.88	08/09/21 10:11	
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	08/09/21 10:11	
Naphthalene	ug/m3	<1.1	1.3	08/09/21 10:11	
o-Xylene	ug/m3	<0.14	0.44	08/09/21 10:11	
Tetrachloroethene	ug/m3	<0.15	0.34	08/09/21 10:11	
Toluene	ug/m3	<0.12	0.38	08/09/21 10:11	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	08/09/21 10:11	
Trichloroethene	ug/m3	<0.098	0.27	08/09/21 10:11	
Vinyl chloride	ug/m3	<0.043	0.13	08/09/21 10:11	
Xylene (Total)	ug/m3	<0.32	1.3	08/09/21 10:11	

LABORATORY CONTROL SAMPLE: 4063585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	59.3	100	70-130	
1,1-Dichloroethene	ug/m3	43.5	41.0	94	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	65.7	122	70-142	
1,2-Dichloroethane	ug/m3	44.4	44.5	100	70-132	
1,3,5-Trimethylbenzene	ug/m3	53.7	62.5	116	70-143	
Benzene	ug/m3	34.8	35.7	102	70-131	
cis-1,2-Dichloroethene	ug/m3	43.4	43.2	99	70-137	
Ethylbenzene	ug/m3	47.8	54.6	114	70-142	
m&p-Xylene	ug/m3	95.4	109	114	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	38.4	97	70-143	
Naphthalene	ug/m3	65.2	58.5	90	67-132	
o-Xylene	ug/m3	47.6	54.0	114	70-141	
Tetrachloroethene	ug/m3	73.4	71.2	97	70-130	
Toluene	ug/m3	41.6	45.6	110	70-138	
trans-1,2-Dichloroethene	ug/m3	43.6	41.1	94	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

LABORATORY CONTROL SAMPLE: 4063585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	58.4	59.3	101	70-130	
Vinyl chloride	ug/m3	28	26.5	95	70-137	
Xylene (Total)	ug/m3	143	163	114	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690019558 MIRRO PLANT 20

Pace Project No.: 10573629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10573629001	IA-B-1	TO-15	762154		
10573629003	IA-B-2	TO-15	762154		
10573629005	IA-B-3	TO-15	762154		
10573629007	OA	TO-15	762154		
10573629009	VP-1	TO-15	762154		
10573629011	VP-2	TO-15	762154		
10573629013	VP-3	TO-15	762154		
10573629015	VP-4	TO-15	762154		
10573629002	IA-B-1 Cert#0838	TO-15	762811		
10573629004	IA-B-2 Cert#2135	TO-15	762811		
10573629006	IA-B-3 Cert#2052	TO-15	762811		
10573629008	OA Cert#2035	TO-15	762811		
10573629010	VP-1 Cert#0240	TO-15	762811		
10573629012	VP-2 Cert#0224	TO-15	762811		
10573629014	VP-3 Cert#0326	TO-15	762811		
10573629016	VP-4 Cert#1750	TO-15	762811		

REPORT OF LABORATORY ANALYSIS

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WO#: 10573629
AIR: CHAI
 The Chain-of-Custody is a

Document

Section A
Required Client Information:

Company: **RAMBOLL**
 Address: **234 W. FLORIDA ST. 5TH FLOOR**
MILWAUKEE, WI 53204
 Email To: **KYLE HEINSTEIN**
 Phone: **202 961 0129**
 Requested Due Date/TAT: **08/10/2021**

Section B
Required Project Information:

Report To: **SUSAN PETROFSKE**
 Copy To: **PAUL WINDMIST**
 Purchase Order No.:
 Project Name: **HAZARDOUS**
 Project Number: **165001558**

Section C
Invoice Information:

Attention: **SUSAN PETROFSKE**
 Company Name: **RAMBOLL**
 Address:
 Pace Quote Reference:
 Pace Project Manager/Sales Rep.
 Pace Profile #: **42848**

Page: **1** of **1**

Program

UST Superfund Emissions Clean Air Act
 Voluntary Clean Up Dry Clean RCRA Other

Reporting Units
 mg/m³
 PPBV PPMV Other

Location of Sampling by State **WI**

Report Level I. II. III. IV. Other

ITEM #	AIR SAMPLE ID Sample IDs MUST BE UNIQUE	MEDIA CODE	Valid Media Codes TB 1 Liter Summa Can 6 Liter Summa Can LVP High Volume Puff PM10 Other	COLLECTED		Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	DATE	TIME	AFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				DATE	TIME											
1	IA-B-1	6LL		8/6/21 0559	8/6/21 1325	-30	-3	0838	101	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
2	IA-B-2	6LL		8/6/21 0557	8/6/21 1327	-30	-3	2135	008	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
3	IA-B-3	6LL		8/6/21 0553	8/6/21 1329	-30	-3	2052	015	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
4	OA	6LL		8/6/21 0601	8/6/21 1331	-30	-3	2035	189	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
5	SS-1	6LL		8/6/21 1357	8/6/21 1421	-29	-3	0240	299	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
6	SS-2	6LL		8/6/21 1415	8/6/21 1457	-30	-3	2243	197	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
7	SS-3	6LL		8/6/21 1340	8/6/21 1422	-29	-3	0326	313	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact
8	SS-4	6LL		8/6/21 1420	8/6/21 1504	-29	-3	1750	103	8/6/21	1700	RAMBOLL	CHAI	8/6/21	900	Temp in C Sealed Cooler Custody Received on Ice Samples Intact

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Method: **PM10**

TO-15 Full List VOCs TO-15 Short List Chlorinated TO-15 Short List Other

TO-14 TO-3M (Methane) TO-3 BTEX TO-3 Fixed Gas (%)

Comments:

- REPORT NUMBERS PREVIOUSLY REPORTED FOR THIS PROJECT

RELINQUISHED BY / AFFILIATION: **HEINSTEIN/RAMBOLL** DATE: **8/6/21** TIME: **1700**

ACCEPTED BY / AFFILIATION: **CHAI** DATE: **8/7/21** TIME: **900**

DATE SIGNED (MM/DD/YY): **8/6/2021**

SAMPLER NAME AND SIGNATURE: **KYLE HEINSTEIN**

PRINT Name of SAMPLER: **KYLE HEINSTEIN**

SIGNATURE OF SAMPLER: **[Signature]**



Document Name: Sample Condition Upon Receipt (SCUR) - Air

Document Revised: 24Mar2020

Page 1 of 1

Document No.: ENV-FRM-MIN4-0113 Rev.00

Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt

Client Name:

RAMBOLL

Project #:

WO#: 10573629

PM: CT1

Due Date: 08/16/21

CLIENT: Ramboll-WI

Courier: [X] Fed Ex [] UPS [] USPS [] Client [] Pace [] Speedee [] Commercial See Exception

Tracking Number: 9550 9946 6920, 6931

Custody Seal on Cooler/Box Present? [] Yes [X] No Seals Intact? [] Yes [X] No

Packing Material: [] Bubble Wrap [] Bubble Bags [X] Foam [] None [] Tin Can [] Other: Temp Blank rec: [] Yes [X] No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermometer Used: [] G87A9170600254 [] G87A9155100842

Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 8-7-21 CMY

Type of ice Received [] Blue [] Wet [X] None

Comments:

Table with 13 rows of custody and inspection questions, including Chain of Custody Present, Samples Arrived within Hold Time, and Media type (Air Can, Airbag, Filter, TDT, Passive).

Gauge # [] 10AIR26 [X] 10AIR34 [] 10AIR35 [] 4097

Table with 10 columns: Sample Number, Can ID, Flow Controller, Initial Pressure, Final Pressure. Contains data for samples IA-B-1, 2, 3, 0A, SS-1, and 4.

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? [] Yes [] No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Carolyn Trust

Date: 8/9/21