



May 15, 2023

Project No. 31404847.001

Mr. Curt Fujii

Waste Solutions Group of San Benito
2650 John Smith Road
Hollister CA 95024

PFAS MONITORING RESULTS, OCTOBER 2022, JOHN SMITH ROAD CLASS III LANDFILL

Dear Mr. Fujii,

This letter presents the results of groundwater sampling at select wells for PFAS analysis at the John Smith Road Landfill Class III Area. Three off-site wells located along John Smith Road were sampled on October 7, 2022, off-site extraction well EW-2, corrective action monitoring well WA-20, and downgradient detection monitoring well CP-25 (Figure 1). Well EW-2 is the furthest downgradient extraction well, WA-20 is approximately 600 feet downgradient from EW-2, and CP-25 is approximately 1,000 feet downgradient from EW-2 and is the furthest downgradient monitoring well.

The groundwater sample from well EW-2 was taken directly from the dedicated electric submersible pump discharge. Wells WA-20 and CP-25 were purged and sampled using new PFAS-free disposable bailers (see Field Sample Forms in Appendix A). Groundwater samples from each well were submitted to Eurofins/Test America for laboratory analysis for the 31 per- and polyfluoroalkyl substances (PFAS) listed in the Central Coast Regional Water Quality Control Board (RWQCB) letter dated July 14, 2021 - *Land Disposal Program: John Smith Road Landfill, San Benito County – PFAS Detection Follow-Up Workplan, WDID NO. 3 350300001*. The three sampled wells are included in the approved PFAS workplan.¹

The PFAS analytical results are summarized in Table 1 in units of nanograms per liter (ng/L), also referred to as parts per trillion (ppt). The laboratory report is included as Appendix B. Nine PFAS were detected above the laboratory reporting limit in the groundwater sample from extraction well EW-2, and two PFAS were detected at estimated trace concentrations. The highest concentration in EW-2 was reported for Perfluoropentanoic acid (PFPeA) at 220 nanograms per liter (ng/L). Eight PFAS were detected above the laboratory reporting limit in the groundwater sample from corrective action monitoring wells WA-20. The highest concentration in WA-20 was reported for PFPeA at 140 ng/L. Three PFAS were detected at estimated trace concentrations in the groundwater sample from detection monitoring well CP-25. PFPeA was detected in well CP-25 at a trace concentration of 1.2 ng/L and Perfluorooctanesulfonic acid (PFOS) was detected at a trace concentration of 1.5 ng/L. The PFOS concentration in the furthest downgradient well (CP-25) is lower than the California drinking water notification and response levels of 6.5 ng/L and 40 ng/L, respectively. The other PFAS with notification and

¹ Golder Associates USA Inc., June 6, 2022, PFAS Detection Follow-Up Workplan, John Smith Road Landfill, San Benito County, CA (Revised June 2022).

response levels (PFOA, PFHxS, and PFBS) were not detected in well CP-25. No PFAS were detected in the quality control trip blank, field blank, and equipment blank samples.

Volatile organic compounds (VOCs) were detected in extraction well EW-2 and the corrective action monitoring well WA-20 during fourth quarter 2022 monitoring. No VOCs were detected in the furthest downgradient monitoring well CP-25. To put the PFAS detections in perspective, Table 2 presents PFAS detections and VOC detections in the same concentration units, micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb).

The PFAS detected in the groundwater samples are likely part of the existing plume from the old unlined landfill unit. Because PFAS were detected in extracted groundwater at EW-2, this indicates that the groundwater extraction wells are capturing PFAS as well as other components of the plume. The PFAS concentrations detected in downgradient well CP-25 are two orders of magnitude lower than in extraction well EW-2. These decreases in PFAS concentrations are similar to the decreases in VOC concentrations in groundwater, which indicates that the groundwater extraction system is capturing and controlling PFAS in groundwater as well as VOCs.

The remaining PFAS workplan monitoring locations were sampled for PFAS during the routine semiannual monitoring event in late October to early November 2022. The results from these PFAS analyses were included in the second semiannual monitoring report dated January 31, 2023.

Sincerely,

WSP USA Inc.



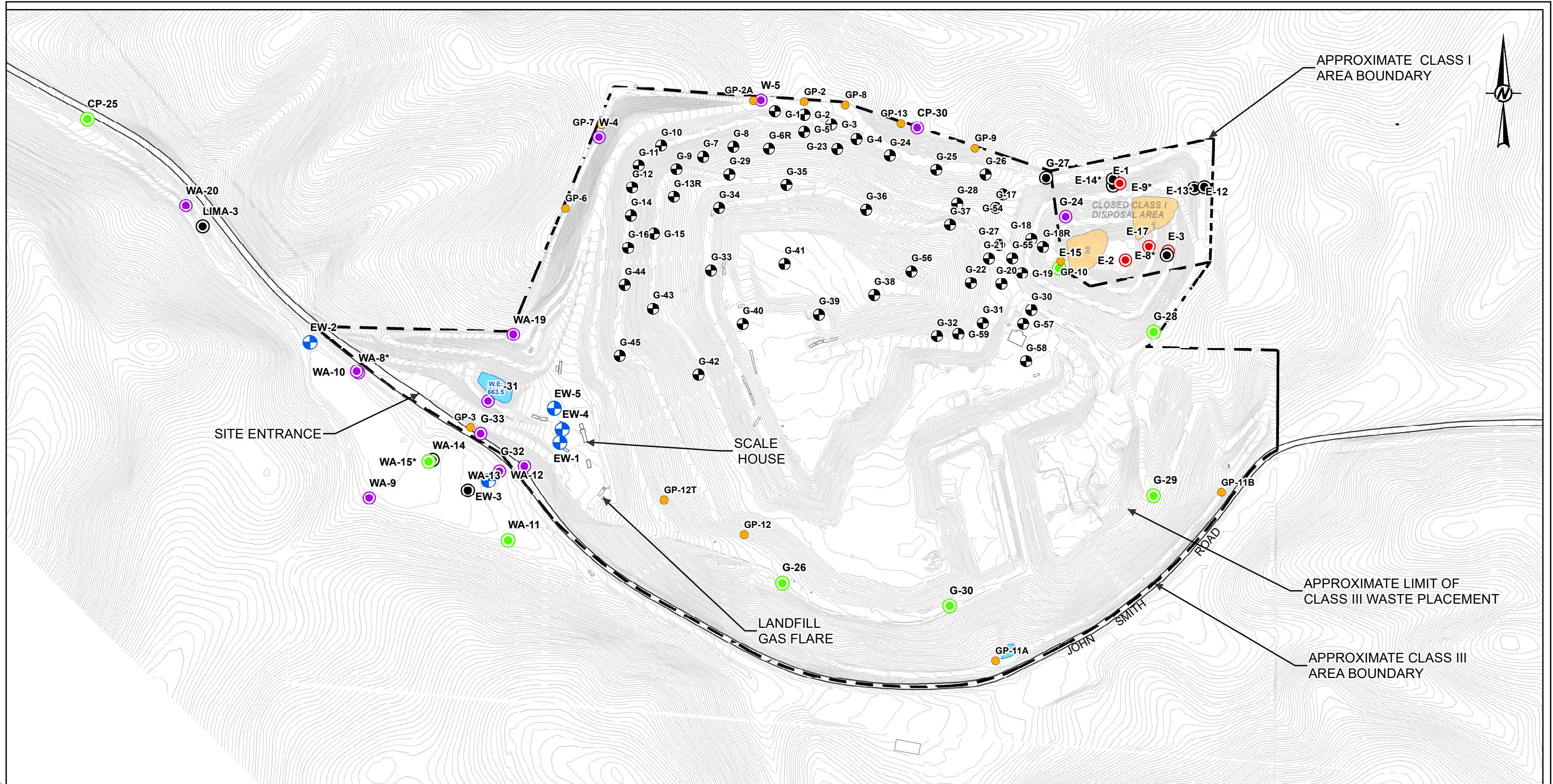
Kris H. Johnson, PG 4496, CEG 1763

Vice President, Geologist

CC: Mike Zischke, Cox, Castle & Nicholson

Attachments: Figure 1 – Monitoring Locations
Table 1 – PFAS Analytical Results
Table 2 - PFAS and VOC Analytical Results
Appendix A – Water Sample Field Sheets
Appendix B – Laboratory Analytical Report

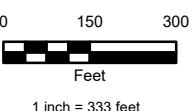
<https://golderassociates.sharepoint.com/sites/156959/project%20files/5%20technical%20work/october%202022%20pfas/jsrl%20october%202022%20pfas%20results%205-15-23a.docx>



PATH: G:\GIS\Sites\JohnSmithRoad\landfill\Map\Figure2\MonitoringLocations_July2022.mxd

LEGEND

- (●) CLASS III AREA DETECTION MONITORING WELL
- (●) CLASS III AREA CORRECTIVE ACTION
- (●) GROUNDWATER EXTRACTION SYSTEM WELL
- (●) GROUNDWATER ELEVATION MONITORING WELL
- (●) CLASS I AREA POST-CLOSURE DETECTION MONITORING WELL
- (■) FORMER CLASS I IMPOUNDMENT
- (—) EXISTING LANDFILL BOUNDARY



CLIENT
WASTE CONNECTIONS, INC.

CONSULTANT

| | |
|------------|------------|
| YYYY-MM-DD | 2022-07-11 |
| DESIGNED | MR |
| PREPARED | TK |
| REVIEWED | KJ |
| APPROVED | KJ |

PROJECT
JOHN SMITH ROAD LANDFILL
SAN BENITO COUNTY, CALIFORNIA

TITLE

MONITORING LOCATIONS

FOR DISCUSSION PURPOSES ONLY
DRAFT

WSP GOLDER

PROJECT NO. 31404847 CONTROL #####

REV. ####

FIGURE 1

Table 1
PFAS Analytical Results
John Smith Road Landfill

| Analyte | Unit | EW-2 10/7/2022 | WA-20 10/7/2022 | CP-25 10/7/2022 |
|---|------|-------------------|--------------------|--------------------|
| Perfluorobutanoic acid (PFBA) | ng/L | 68 | 67 | ND |
| Perfluoropentanoic acid (PFPeA) | ng/L | 220 | 140 | 1.2 J |
| Perfluorohexanoic acid (PFHxA) | ng/L | 110 | 71 | 0.8 J |
| Perfluoroheptanoic acid (PFHpA) | ng/L | 29 | 13 | ND |
| Perfluorooctanoic acid (PFOA) | ng/L | 38 | 16 | ND |
| Perfluorononanoic acid (PFNA) | ng/L | 2.0 | ND | ND |
| Perfluorodecanoic acid (PFDA) | ng/L | ND | ND | ND |
| Perfluoroundecanoic acid (PFUnA) | ng/L | ND | ND | ND |
| Perfluorododecanoic acid (PFDoA) | ng/L | ND | ND | ND |
| Perfluorotridecanoic acid (PFTrDA) | ng/L | ND | ND | ND |
| Perfluorotetradecanoic acid (PFTeA) | ng/L | ND | ND | ND |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | 12 | 12 | ND |
| Perfluoropentanesulfonic acid (PFPeS) | ng/L | 1.6 J | 2.4 | ND |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | 4 | 5.3 | ND |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | ND | ND | ND |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 5.6 | ND | 1.5 J |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | ND | ND | ND |
| Perfluorooctanesulfonamide (FOSA) | ng/L | 1.3 J | ND | ND |
| NEtFOSA | ng/L | ND | ND | ND |
| NEtFOSAA | ng/L | ND | ND | ND |
| NEtFOSE | ng/L | ND | ND | ND |
| NMeFOSA | ng/L | ND | ND | ND |
| NMeFOSAA | ng/L | ND | ND | ND |
| NMeFOSE | ng/L | ND | ND | ND |
| 4:2 FTS | ng/L | ND | ND | ND |
| 6:2 FTS | ng/L | ND | ND | ND |
| 8:2 FTS | ng/L | ND | ND | ND |
| 11Cl-PF3OUdS | ng/L | ND | ND | ND |
| 9Cl-PF3ONS | ng/L | ND | ND | ND |
| HFPO-DA (GenX) | ng/L | ND | ND | ND |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | ND | ND | ND |

Notes:

ng/L = nanograms per liter

J = estimated trace concentration between the method detection limit and laboratory reporting limit.

< = not detected at listed detection limit

Table 2
PFAS and VOC Analytical Results
John Smith Road Landfill

| Analyte | Unit | EW-2 | WA-20 | CP-25 |
|---------------------------------------|-------------|------------------|------------------|-------------------|
| PFAS | Date | 10/7/2022 | 10/7/2022 | 10/7/2022 |
| Perfluorobutanoic acid (PFBA) | µg/L | 0.068 | 0.067 | ND |
| Perfluoropentanoic acid (PFPeA) | µg/L | 0.22 | 0.14 | 0.0012 J |
| Perfluorohexanoic acid (PFHxA) | µg/L | 0.11 | 0.071 | 0.0008 J |
| Perfluoroheptanoic acid (PFHpA) | µg/L | 0.029 | 0.013 | ND |
| Perfluorooctanoic acid (PFOA) | µg/L | 0.038 | 0.016 | ND |
| Perfluorononanoic acid (PFNA) | µg/L | 0.0 | ND | ND |
| Perfluorobutanesulfonic acid (PFBS) | µg/L | 0.012 | 0.012 | ND |
| Perfluoropentanesulfonic acid (PFPeS) | µg/L | 0.0016 J | 0.0024 | ND |
| Perfluorohexanesulfonic acid (PFHxS) | µg/L | 0.004 | 0.0053 | ND |
| Perfluorooctanesulfonic acid (PFOS) | µg/L | 0.0056 | ND | 0.0015 J |
| Perfluorodecanesulfonic acid (PFDS) | µg/L | ND | ND | ND |
| Perfluorooctanesulfonamide (FOSA) | µg/L | 0.0013 J | ND | ND |
| All other PFAS not detected | | | | |
| VOCs | Date | 11/3/2022 | 11/4/2022 | 10/26/2022 |
| Tetrachloroethene | µg/L | 1 | 0.18 J | ND |
| Trichloroethene | µg/L | 1.2 | 0.23 J | ND |
| All other VOCs not detected | | | | |

Notes:

µg/L = nanograms per liter

J = estimated trace concentration between the method detection limit and laboratory reporting limit.

< = not detected at listed detection limit

APPENDIX A

Water Sample Field Sheets



GOLDER
MEMBER OF WSP

WATER SAMPLE FIELD DATA

LOCATION: John Smith _____

SAMPLE ID: CP-25

PROJECT NO: 31404548

SAMPLED BY: Obo

SAMPLE TYPE: Groundwater Surface Water Leachate Other

CASING DIAMETER (OD-inches): 3/4 1 2 4 4.5 6 8 Other
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

WILTON, JR., JR. 745 V. L. & C. Co. 95

Well Total Depth (ft): 17.00 Volume in Casing (gal): 1.3

Depth to Water (ft): 17.9 Calculated Purge (volumes / gal.): 28.3

Height of Water Column (ft): 56.09 Actual Pre-Sampling Purge (gal): 28.5

PURGE:

Device (Depth of Intake from TOC): Disp. Bailer Peristaltic Pump Centrifugal Pump

Bladder Pump _____ Electric Submersible Pump _____ Dedicated _____ Other _____

Purge Water Containment: None_____

Field QC Samples Collected: EB-____ FB-____ DUP-____ Time: _____ Other _____

SAMPLE:

Device (Depth of Intake from TOC): Disp. Bailer Peristaltic Pump Centrifugal Pump

Bladder Pump _____ Electric Submersible Pump _____ Dedicated _____ Other _____

| Time (2400 Hr) | Temp. (°C) | EC (μmhos/cm) | pH (std. units) | DO (mg/l) | Color (visual) | Turbidity (NTU) | ORP (mV) |
|-------------------|---------------|------------------|--------------------|--------------|-------------------|--------------------|-------------|
| 1510 | 20.1 | 10417 | 7.39 | 0.83 | Brown | 58.6 | -1150 |
| Sheen: | No | Odor: | No | Sample Date: | 10-7-22 | | |

Field Measurement Devices: Horiba: _____ YSI: _____ X LaMotte Turbidity: _____ X Other: _____

Meter Calibration Date: 10-7-22 Time: _____ Location: EW-2 Ins. # _____

pH 4: (____ / ____ @ ____ °C) pH 7: (____ / ____ @ ____ °C) pH 10: (____ / ____ @ ____ °C)

D.O. (____ / ____ @ 100%) EC (____ / ____ μ mhos/cm @ 25°C)

ORP (/ / @°C Turbidity (/ NTU)

REMARKS: _____

SIGNATURE: David C Walt DATE: 10-7-22

DATE: 10-7-22



WATER SAMPLE FIELD DATA

LOCATION: John Smith _____

SAMPLE ID: WA-20

PROJECT NO: 31404548

SAMPLED BY: DW

SAMPLE TYPE: Groundwater Surface Water Leachate Other

CASING DIAMETER (OD-inches): 3/4 1 2 3 4 4.5 6 8 Other

GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6) Other _____

Well Total Depth (ft): 17,60

Volume in Casing (gal): 142

Depth to Water (ft): 10.00

Calculated Purge (volumes / gal): 3.6

Height of Water Column (ft): 7.00

Actual Pre-Sampling Purge (gal): 3.6

PURGE

Device (Depth of Intake from TOC): Disp. Bailer X Peristaltic Pump Centrifugal Pump

Bladder Pump Electric Submersible Pump Dedicated Other

Purge Water Containment: None _____

Field QC Samples Collected: EB-01 FB____ DUP____ Time: 1340 Other _____

SAMPLE:

Device (Depth of Intake from TOC): Disp. Bailer Peristaltic Pump Centrifugal Pump

Bladder Pump Electric Submersible Pump Dedicated Other

| Time (2400 Hr) | Temp. (°C) | EC (μmhos/cm) | pH (std. units) | DO (mg/l) | Color (visual) | Turbidity (NTU) | ORP (mV) |
|-------------------|---------------|------------------|--------------------|--------------|-------------------|--------------------|-------------|
| 1355 | 20.7 | 4061 | 7.37 | 3.31 | Brown | 1100 | 136.2 |
| Sheen: | No | Odor: | No | | Sample Date: | 10-7-22 | |

Field Measurement Devices: Horiba: _____ YSI: _____ X LaMotte Turbidity: _____ X Other: _____

Meter Calibration Date: 10-7-22 Time: _____ Location: EW-3 Ins. # _____

pH 4: (/ @ °C) pH 7: (/ @ °C) pH 10: (/ @ °C)

D₂O (/ @100%) EC (/ umhos/cm@25°C)

OBP (°C) / @ °C Turbidity (NTU) /

REMARKS: _____

SIGNATURE: David C Welt DATE: 10-7-22

APPENDIX B

Laboratory Analytical Report



Environment Testing
America



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-93007-1
Client Project/Site: 18105117

For:
Golder Associates Inc
425 Lakeside Drive
Sunnyvale, California 94085

Attn: Kris Johnson

Authorized for release by:
10/13/2022 4:13:52 PM
Jill Kellmann, Client Service Manager
(916)374-4402
Jill.Kellmann@et.eurofinsus.com

LINKS

Review your project
results through



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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Definitions/Glossary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Qualifiers

LCMS

Qualifier

Qualifier Description

| | |
|-----|--|
| *5- | Isotope dilution analyte is outside acceptance limits, low biased. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

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

Case Narrative

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Job ID: 320-93007-1

Laboratory: Eurofins Sacramento

Narrative

Receipt

The samples were received on 10/8/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): EW-2 (320-93007-3). Client label time is listed as 13:00 for 2 of 2 while the COC is listed as 13:15. Logged in according to the COC.

LCMS

Method EPA 537(Mod): The Isotope Dilution Analyte (IDA) recovery associated with the following samples is below the method recommended limit: CP-25 (320-93007-6). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-624009.

Method 3535: During the solid phase extraction process, the following samples contained non-settable particulates which clogged the solid phase extraction column: WA-20 (320-93007-5) and CP-25 (320-93007-6).

Method 3535: The following samples in preparation batch 320-624009 were observed to have floating particulates present in the sample bottle. CP-25 (320-93007-6)

Method 3535: The following samples in preparation batch 320-624009 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. WA-20 (320-93007-5) and CP-25 (320-93007-6)

Method 3535: The following samples in preparation batch 320-624009 were light yellow in color prior to extraction. WA-20 (320-93007-5) and CP-25 (320-93007-6)

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

Detection Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCTB-01

Lab Sample ID: 320-93007-1

No Detections.

Client Sample ID: QCFB-01

Lab Sample ID: 320-93007-2

No Detections.

Client Sample ID: EW-2

Lab Sample ID: 320-93007-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------------|--------|-----------|-----|------|------|---------|---|--------------|-----------|
| Perfluorobutanoic acid (PFBA) | 68 | | 4.3 | 2.1 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoropentanoic acid (PFPeA) | 220 | | 1.7 | 0.43 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorohexanoic acid (PFHxA) | 110 | | 1.7 | 0.50 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoroheptanoic acid (PFHpA) | 29 | | 1.7 | 0.22 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorooctanoic acid (PFOA) | 38 | | 1.7 | 0.74 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorononanoic acid (PFNA) | 2.0 | | 1.7 | 0.23 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorobutanesulfonic acid (PFBS) | 12 | | 1.7 | 0.17 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoropentanesulfonic acid (PFPeS) | 1.6 J | | 1.7 | 0.26 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorohexanesulfonic acid (PFHxS) | 4.0 | | 1.7 | 0.49 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 5.6 | | 1.7 | 0.47 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorooctanesulfonamide (FOSA) | 1.3 J | | 1.7 | 0.85 | ng/L | 1 | | EPA 537(Mod) | Total/NA |

Client Sample ID: QCEB-01

Lab Sample ID: 320-93007-4

No Detections.

Client Sample ID: WA-20

Lab Sample ID: 320-93007-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------------|--------|-----------|-----|------|------|---------|---|--------------|-----------|
| Perfluorobutanoic acid (PFBA) | 67 | | 4.6 | 2.2 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoropentanoic acid (PFPeA) | 140 | | 1.8 | 0.45 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorohexanoic acid (PFHxA) | 71 | | 1.8 | 0.53 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoroheptanoic acid (PFHpA) | 13 | | 1.8 | 0.23 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorooctanoic acid (PFOA) | 16 | | 1.8 | 0.78 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorobutanesulfonic acid (PFBS) | 12 | | 1.8 | 0.18 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluoropentanesulfonic acid (PFPeS) | 2.4 | | 1.8 | 0.27 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorohexanesulfonic acid (PFHxS) | 5.3 | | 1.8 | 0.52 | ng/L | 1 | | EPA 537(Mod) | Total/NA |

Client Sample ID: CP-25

Lab Sample ID: 320-93007-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------------|--------|-----------|-----|------|------|---------|---|--------------|-----------|
| Perfluoropentanoic acid (PFPeA) | 1.2 J | | 2.0 | 0.48 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorohexanoic acid (PFHxA) | 0.80 J | | 2.0 | 0.57 | ng/L | 1 | | EPA 537(Mod) | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 1.5 J | | 2.0 | 0.53 | ng/L | 1 | | EPA 537(Mod) | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCTB-01
Date Collected: 10/07/22 00:00
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-1
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|-----|------|------|----------------|----------------|----------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 4.4 | 2.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.8 | 0.44 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.8 | 0.52 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.8 | 0.22 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoroctanoic acid (PFOA) | ND | | 1.8 | 0.76 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | 0.24 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | 0.98 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | 0.49 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.8 | 1.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | 0.65 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.8 | 0.18 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoropentanesulfonic acid (PPPeS) | ND | | 1.8 | 0.27 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.8 | 0.51 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.8 | 0.17 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.8 | 0.48 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.8 | 0.87 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NEtFOSA | ND | | 1.8 | 0.77 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NEtFOSAA | ND | | 4.4 | 1.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NEtFOSE | ND | | 1.8 | 0.76 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NMeFOSA | ND | | 1.8 | 0.38 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NMeFOSAA | ND | | 4.4 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| NMeFOSE | ND | | 3.6 | 1.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 4:2 FTS | ND | | 1.8 | 0.21 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 6:2 FTS | ND | | 4.4 | 2.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 8:2 FTS | ND | | 1.8 | 0.41 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 11CI-PF3OUDs | ND | | 1.8 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 9CI-PF3ONS | ND | | 1.8 | 0.21 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| HFPO-DA (GenX) | ND | | 3.6 | 1.3 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.8 | 0.36 | ng/L | 10/11/22 12:26 | 10/12/22 09:22 | | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 105 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C5 PFPeA | 108 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C2 PFHxA | 104 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C4 PFHpA | 107 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C4 PFOA | 105 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C5 PFNA | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C2 PFDA | 107 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C2 PFUnA | 104 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C2 PFDoA | 103 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C2 PFTeDA | 114 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C3 PFBS | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 18O2 PFHxS | 106 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C4 PFOS | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C8 FOSA | 99 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| M2-4:2 FTS | 118 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCTB-01
Date Collected: 10/07/22 00:00
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-1
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-6:2 FTS | 117 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| M2-8:2 FTS | 105 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d5-NEtFOSAA | 115 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d3-NMeFOSAA | 119 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d-N-EtFOSA-M | 99 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d9-N-EtFOSE-M | 95 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d7-N-MeFOSE-M | 100 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| d-N-MeFOSA-M | 94 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |
| 13C3 HFPO-DA | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:22 | 1 |

Client Sample ID: QCFB-01

Date Collected: 10/07/22 13:10
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-2

Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|-----|------|------|----------------|----------------|----------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 4.4 | 2.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluoropentanoic acid (PPPeA) | ND | | 1.8 | 0.43 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.8 | 0.51 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.8 | 0.22 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.8 | 0.75 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | 0.24 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | 0.27 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | 0.97 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | 0.48 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.8 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | 0.64 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.8 | 0.18 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluoropentanesulfonic acid (PFPoS) | ND | | 1.8 | 0.26 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.8 | 0.50 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.8 | 0.17 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.8 | 0.47 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.8 | 0.86 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NEtFOSA | ND | | 1.8 | 0.76 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NEtFOSAA | ND | | 4.4 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NEtFOSE | ND | | 1.8 | 0.75 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NMeFOSA | ND | | 1.8 | 0.38 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NMeFOSAA | ND | | 4.4 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| NMeFOSE | ND | | 3.5 | 1.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 4:2 FTS | ND | | 1.8 | 0.21 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 6:2 FTS | ND | | 4.4 | 2.2 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 8:2 FTS | ND | | 1.8 | 0.40 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 11CI-PF3OUds | ND | | 1.8 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 9CI-PF3ONS | ND | | 1.8 | 0.21 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| HFPO-DA (GenX) | ND | | 3.5 | 1.3 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.8 | 0.35 | ng/L | 10/11/22 12:26 | 10/12/22 09:32 | | 1 |

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCFB-01
Date Collected: 10/07/22 13:10
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-2
Matrix: Water

| <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 | 100 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C5 PFPeA | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C2 PFHxA | 98 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C4 PFHpA | 104 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C4 PFOA | 103 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C5 PFNA | 101 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C2 PFDA | 102 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C2 PFUnA | 101 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C2 PFDoA | 105 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C2 PFTeDA | 110 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C3 PFBS | 98 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 18O2 PFHxS | 104 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C4 PFOS | 103 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C8 FOSA | 97 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| M2-4:2 FTS | 115 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| M2-6:2 FTS | 115 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| M2-8:2 FTS | 105 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d5-NEtFOSAA | 115 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d3-NMeFOSAA | 113 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d-N-EtFOSA-M | 92 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d9-N-EtFOSE-M | 92 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d7-N-MeFOSE-M | 96 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| d-N-MeFOSA-M | 91 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |
| 13C3 HFPO-DA | 98 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:32 | 1 |

Client Sample ID: EW-2

Date Collected: 10/07/22 13:15
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-3
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| <i>Analyte</i> | <i>Result</i> | <i>Qualifier</i> | <i>RL</i> | <i>MDL</i> | <i>Unit</i> | <i>D</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|---------------------------------------|---------------|------------------|-----------|------------|-------------|----------------|-----------------|-----------------|----------------|
| Perfluorobutanoic acid (PFBA) | 68 | | 4.3 | 2.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluoropentanoic acid (PFPeA) | 220 | | 1.7 | 0.43 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorohexanoic acid (PFHxA) | 110 | | 1.7 | 0.50 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluoroheptanoic acid (PFHpA) | 29 | | 1.7 | 0.22 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorooctanoic acid (PFOA) | 38 | | 1.7 | 0.74 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorononanoic acid (PFNA) | 2.0 | | 1.7 | 0.23 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.7 | 0.27 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.7 | 0.95 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.7 | 0.48 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.7 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.7 | 0.63 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 12 | | 1.7 | 0.17 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | 1.6 J | | 1.7 | 0.26 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 4.0 | | 1.7 | 0.49 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.7 | 0.16 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 5.6 | | 1.7 | 0.47 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.7 | 0.28 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |
| Perfluorooctanesulfonamide (FOSA) | 1.3 J | | 1.7 | 0.85 | ng/L | 10/11/22 12:26 | 10/12/22 09:42 | | 1 |

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: EW-2

Date Collected: 10/07/22 13:15

Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-3

Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| NEtFOSA | ND | | 1.7 | 0.75 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| NEtFOSAA | ND | | 4.3 | 1.1 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| NEtFOSE | ND | | 1.7 | 0.74 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| NMeFOSA | ND | | 1.7 | 0.37 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| NMeFOSAA | ND | | 4.3 | 1.0 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| NMeFOSE | ND | | 3.5 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 4:2 FTS | ND | | 1.7 | 0.21 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 6:2 FTS | ND | | 4.3 | 2.2 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 8:2 FTS | ND | | 1.7 | 0.40 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 11Cl-PF3OuDs | ND | | 1.7 | 0.28 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 9Cl-PF3ONS | ND | | 1.7 | 0.21 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| HFPO-DA (GenX) | ND | | 3.5 | 1.3 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.7 | 0.35 | ng/L | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C4 PFBA | 89 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C5 PFPeA | 101 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C2 PFHxA | 104 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C4 PFHpA | 107 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C4 PFOA | 106 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C5 PFNA | 104 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C2 PFDA | 107 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C2 PFUnA | 105 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C2 PFDaA | 110 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C2 PFTeDA | 118 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C3 PFBS | 101 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 18O2 PFHxS | 107 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C4 PFOS | 103 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C8 FOSA | 102 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| M2-4:2 FTS | 109 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| M2-6:2 FTS | 111 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| M2-8:2 FTS | 107 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d5-NEtFOSAA | 120 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d3-NMeFOSAA | 119 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d-N-EtFOSA-M | 95 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d9-N-EtFOSE-M | 92 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d7-N-MeFOSE-M | 96 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| d-N-MeFOSA-M | 95 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |
| 13C3 HFPO-DA | 96 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:42 | 1 |

Client Sample ID: QCEB-01

Date Collected: 10/07/22 13:40

Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-4

Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 4.3 | 2.1 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.7 | 0.43 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.7 | 0.50 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorooctanoic acid (PFHpA) | ND | | 1.7 | 0.22 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCEB-01
Date Collected: 10/07/22 13:40
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-4
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|------|------|----------|----------------|----------------|---------|
| Perfluoroctanoic acid (PFOA) | ND | | 1.7 | 0.74 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.7 | 0.23 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.7 | 0.27 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.7 | 0.96 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.7 | 0.48 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.7 | 1.1 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.7 | 0.64 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.7 | 0.17 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 1.7 | 0.26 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.7 | 0.50 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.7 | 0.17 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluoroctanesulfonic acid (PFOS) | ND | | 1.7 | 0.47 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.7 | 0.28 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.7 | 0.85 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NEtFOSA | ND | | 1.7 | 0.76 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NEtFOSAA | ND | | 4.3 | 1.1 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NEtFOSE | ND | | 1.7 | 0.74 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NMeFOSA | ND | | 1.7 | 0.37 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NMeFOSAA | ND | | 4.3 | 1.0 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| NMeFOSE | ND | | 3.5 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 4:2 FTS | ND | | 1.7 | 0.21 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 6:2 FTS | ND | | 4.3 | 2.2 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 8:2 FTS | ND | | 1.7 | 0.40 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 11CI-PF3OUds | ND | | 1.7 | 0.28 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 9CI-PF3ONS | ND | | 1.7 | 0.21 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| HFPO-DA (GenX) | ND | | 3.5 | 1.3 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.7 | 0.35 | ng/L | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | |
| 13C4 PFBA | 99 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C5 PFPeA | 103 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C2 PFHxA | 102 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C4 PFHpA | 103 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C4 PFOA | 102 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C5 PFNA | 98 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C2 PFDA | 101 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C2 PFUnA | 100 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C2 PFDoA | 101 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C2 PFTeDA | 109 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C3 PFBS | 104 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 18O2 PFHxS | 101 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C4 PFOS | 102 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C8 FOSA | 95 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| M2-4:2 FTS | 120 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| M2-6:2 FTS | 115 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| M2-8:2 FTS | 103 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| d5-NEtFOSAA | 109 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| d3-NMeFOSAA | 112 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 09:52 | 1 |

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Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCEB-01
Date Collected: 10/07/22 13:40
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-4
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| d-N-EtFOSA-M | 89 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| d9-N-EtFOSE-M | 86 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| d7-N-MeFOSE-M | 94 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| d-N-MeFOSA-M | 89 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:52 | 1 |
| 13C3 HFPO-DA | 100 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 09:52 | 1 |

Client Sample ID: WA-20
Date Collected: 10/07/22 13:55
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-5
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| <i>Analyte</i> | <i>Result</i> | <i>Qualifier</i> | <i>RL</i> | <i>MDL</i> | <i>Unit</i> | <i>D</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|---|---------------|------------------|-----------|------------|-------------|----------|-----------------|-----------------|----------------|
| Perfluorobutanoic acid (PFBA) | 67 | | 4.6 | 2.2 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoropentanoic acid (PFPeA) | 140 | | 1.8 | 0.45 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorohexanoic acid (PFHxA) | 71 | | 1.8 | 0.53 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 13 | | 1.8 | 0.23 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorooctanoic acid (PFOA) | 16 | | 1.8 | 0.78 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | 0.25 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | 0.28 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | 1.0 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | 0.50 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.8 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | 0.67 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 12 | | 1.8 | 0.18 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | 2.4 | | 1.8 | 0.27 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 5.3 | | 1.8 | 0.52 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.8 | 0.17 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoroctanesulfonic acid (PFOS) | ND | | 1.8 | 0.49 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | 0.29 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| Perfluoroctanesulfonamide (FOSA) | ND | | 1.8 | 0.90 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NEtFOSA | ND | | 1.8 | 0.80 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NEtFOSAA | ND | | 4.6 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NEtFOSE | ND | | 1.8 | 0.78 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NMeFOSA | ND | | 1.8 | 0.39 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NMeFOSAA | ND | | 4.6 | 1.1 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| NMeFOSE | ND | | 3.7 | 1.3 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 4:2 FTS | ND | | 1.8 | 0.22 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 6:2 FTS | ND | | 4.6 | 2.3 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 8:2 FTS | ND | | 1.8 | 0.42 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 11CI-PF3OUds | ND | | 1.8 | 0.29 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 9CI-PF3ONS | ND | | 1.8 | 0.22 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| HFPO-DA (GenX) | ND | | 3.7 | 1.4 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.8 | 0.37 | ng/L | | 10/11/22 12:26 | 10/12/22 10:03 | 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 | 56 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C5 PFPeA | 62 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C2 PFHxA | 65 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |

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Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: WA-20
Date Collected: 10/07/22 13:55
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-5
Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFHpA | 66 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C4 PFOA | 63 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C5 PFNA | 66 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C2 PFDA | 67 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C2 PFUnA | 64 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C2 PFDoA | 62 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C2 PFTeDA | 61 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C3 PFBS | 64 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 18O2 PFHxS | 64 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C4 PFOS | 66 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C8 FOSA | 62 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| M2-4:2 FTS | 70 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| M2-6:2 FTS | 72 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| M2-8:2 FTS | 63 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d5-NEtFOSAA | 71 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d3-NMeFOSAA | 72 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d-N-EtFOSA-M | 52 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d9-N-EtFOSE-M | 51 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d7-N-MeFOSE-M | 54 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| d-N-MeFOSA-M | 54 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |
| 13C3 HFPO-DA | 61 | | 50 - 150 | 10/11/22 12:26 | 10/12/22 10:03 | 1 |

Client Sample ID: CP-25

Date Collected: 10/07/22 15:10

Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-6

Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|----------------|----------------|----------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 4.9 | 2.3 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoropentanoic acid (PFPeA) | 1.2 J | | 2.0 | 0.48 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorohexanoic acid (PFHxA) | 0.80 J | | 2.0 | 0.57 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | 0.24 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoroctanoic acid (PFOA) | ND | | 2.0 | 0.83 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | 0.26 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | 0.30 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | 1.1 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | 0.54 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 2.0 | 1.3 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 2.0 | 0.71 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | 0.20 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 2.0 | 0.29 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | 0.56 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 2.0 | 0.19 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1.5 J | | 2.0 | 0.53 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | 0.31 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 2.0 | 0.96 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| NETFOSA | ND | | 2.0 | 0.85 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |
| NETFOSAA | ND | | 4.9 | 1.3 | ng/L | 10/11/22 12:26 | 10/12/22 10:33 | | 1 |

Eurofins Sacramento

Client Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: CP-25

Date Collected: 10/07/22 15:10

Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-6

Matrix: Water

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| NEtFOSE | ND | | 2.0 | 0.83 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| NMeFOSA | ND | | 2.0 | 0.42 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| NMeFOSAA | ND | | 4.9 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| NMeFOSE | ND | | 3.9 | 1.4 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 4:2 FTS | ND | | 2.0 | 0.23 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 6:2 FTS | ND | | 4.9 | 2.4 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 8:2 FTS | ND | | 2.0 | 0.45 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 11Cl-PF3Ouds | ND | | 2.0 | 0.31 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 9Cl-PF3ONS | ND | | 2.0 | 0.23 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| HFPO-DA (GenX) | ND | | 3.9 | 1.5 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 4,8-Dioxa-3H-perfluororononanoic acid (ADONA) | ND | | 2.0 | 0.39 | ng/L | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C4 PFBA | 63 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C5 PFPeA | 71 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C2 PFHxA | 78 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C4 PFHpA | 81 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C4 PFOA | 79 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C5 PFNA | 76 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C2 PFDA | 71 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C2 PFUnA | 70 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C2 PFDoA | 63 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C2 PFTeDA | 59 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C3 PFBS | 76 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 18O2 PFHxS | 79 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C4 PFOS | 74 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C8 FOSA | 69 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| M2-4:2 FTS | 99 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| M2-6:2 FTS | 90 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| M2-8:2 FTS | 77 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d5-NEtFOSAA | 75 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d3-NMeFOSAA | 76 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d-N-EtFOSA-M | 50 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d9-N-EtFOSE-M | 47 *5- | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d7-N-MeFOSE-M | 52 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| d-N-MeFOSA-M | 54 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |
| 13C3 HFPO-DA | 72 | | 50 - 150 | | | | 10/11/22 12:26 | 10/12/22 10:33 | 1 |

Eurofins Sacramento

Isotope Dilution Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|---------------------|---------------------|---------------------|------------------|-------------------|---------------------|---------------------|
| | | PFBA (50-150) | PFPeA (50-150) | PFHxA (50-150) | C4PFHA (50-150) | PFOA (50-150) | PFNA (50-150) | PFDA (50-150) | PFUnA (50-150) |
| 320-93007-1 | QCTB-01 | 105 | 108 | 104 | 107 | 105 | 102 | 107 | 104 |
| 320-93007-2 | QCFB-01 | 100 | 102 | 98 | 104 | 103 | 101 | 102 | 101 |
| 320-93007-3 | EW-2 | 89 | 101 | 104 | 107 | 106 | 104 | 107 | 105 |
| 320-93007-4 | QCEB-01 | 99 | 103 | 102 | 103 | 102 | 98 | 101 | 100 |
| 320-93007-5 | WA-20 | 56 | 62 | 65 | 66 | 63 | 66 | 67 | 64 |
| 320-93007-6 | CP-25 | 63 | 71 | 78 | 81 | 79 | 76 | 71 | 70 |
| LCS 320-624009/2-A | Lab Control Sample | 102 | 106 | 105 | 105 | 105 | 105 | 111 | 104 |
| LCSD 320-624009/3-A | Lab Control Sample Dup | 105 | 107 | 105 | 109 | 105 | 104 | 111 | 104 |
| MB 320-624009/1-A | Method Blank | 103 | 103 | 105 | 105 | 102 | 102 | 102 | 104 |
| Lab Sample ID | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
| | | PFDoA (50-150) | PFTDA (50-150) | C3PFBS (50-150) | PFHxS (50-150) | PFOS (50-150) | PFOSA (50-150) | M242FTS (50-150) | M262FTS (50-150) |
| 320-93007-1 | QCTB-01 | 103 | 114 | 102 | 106 | 102 | 99 | 118 | 117 |
| 320-93007-2 | QCFB-01 | 105 | 110 | 98 | 104 | 103 | 97 | 115 | 115 |
| 320-93007-3 | EW-2 | 110 | 118 | 101 | 107 | 103 | 102 | 109 | 111 |
| 320-93007-4 | QCEB-01 | 101 | 109 | 104 | 101 | 102 | 95 | 120 | 115 |
| 320-93007-5 | WA-20 | 62 | 61 | 64 | 64 | 66 | 62 | 70 | 72 |
| 320-93007-6 | CP-25 | 63 | 59 | 76 | 79 | 74 | 69 | 99 | 90 |
| LCS 320-624009/2-A | Lab Control Sample | 108 | 113 | 103 | 108 | 102 | 99 | 110 | 108 |
| LCSD 320-624009/3-A | Lab Control Sample Dup | 111 | 114 | 103 | 106 | 104 | 101 | 114 | 113 |
| MB 320-624009/1-A | Method Blank | 103 | 113 | 101 | 103 | 103 | 99 | 113 | 112 |
| Lab Sample ID | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
| | | M282FTS (50-150) | d5NEFOS (50-150) | d3NMFOS (50-150) | dEtFOSA (50-150) | NEFM (50-150) | NMFM (50-150) | dMeFOSA (50-150) | HFPODA (50-150) |
| 320-93007-1 | QCTB-01 | 105 | 115 | 119 | 99 | 95 | 100 | 94 | 102 |
| 320-93007-2 | QCFB-01 | 105 | 115 | 113 | 92 | 92 | 96 | 91 | 98 |
| 320-93007-3 | EW-2 | 107 | 120 | 119 | 95 | 92 | 96 | 95 | 96 |
| 320-93007-4 | QCEB-01 | 103 | 109 | 112 | 89 | 86 | 94 | 89 | 100 |
| 320-93007-5 | WA-20 | 63 | 71 | 72 | 52 | 51 | 54 | 54 | 61 |
| 320-93007-6 | CP-25 | 77 | 75 | 76 | 50 | 47 *5- | 52 | 54 | 72 |
| LCS 320-624009/2-A | Lab Control Sample | 107 | 112 | 118 | 93 | 94 | 99 | 86 | 100 |
| LCSD 320-624009/3-A | Lab Control Sample Dup | 105 | 115 | 118 | 93 | 95 | 98 | 92 | 105 |
| MB 320-624009/1-A | Method Blank | 109 | 114 | 117 | 91 | 95 | 96 | 89 | 101 |

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

Eurofins Sacramento

Isotope Dilution Summary

Client: Golder Associates Inc

Project/Site: 18105117

Job ID: 320-93007-1

M242FTS = M2-4:2 FTS

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

d5NEFOS = d5-NEtFOSAA

d3NMFOS = d3-NMeFOSAA

dEtFOSA = d-N-EtFOSA-M

NEFM = d9-N-EtFOSE-M

NMFM = d7-N-MeFOSE-M

dMeFOSA = d-N-MeFOSA-M

HFPODA = 13C3 HFPO-DA

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QC Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15

Lab Sample ID: MB 320-624009/1-A

Matrix: Water

Analysis Batch: 624217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 624009

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 5.0 | 2.4 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 2.0 | 0.49 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | 0.58 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | 0.25 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | 0.85 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | 0.27 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | 0.31 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | 1.1 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | 0.55 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 2.0 | 1.3 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 2.0 | 0.73 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | 0.20 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluoropentanesulfonic acid (PPPeS) | ND | | 2.0 | 0.30 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | 0.57 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 2.0 | 0.19 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | 0.54 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | 0.32 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 2.0 | 0.98 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NEtFOSA | ND | | 2.0 | 0.87 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NEtFOSAA | ND | | 5.0 | 1.3 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NEtFOSE | ND | | 2.0 | 0.85 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NMeFOSA | ND | | 2.0 | 0.43 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NMeFOSAA | ND | | 5.0 | 1.2 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| NMeFOSE | ND | | 4.0 | 1.4 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 4:2 FTS | ND | | 2.0 | 0.24 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 6:2 FTS | ND | | 5.0 | 2.5 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 8:2 FTS | ND | | 2.0 | 0.46 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 11Cl-PF3OUds | ND | | 2.0 | 0.32 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 9Cl-PF3ONS | ND | | 2.0 | 0.24 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| HFPO-DA (GenX) | ND | | 4.0 | 1.5 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 2.0 | 0.40 | ng/L | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |

| Isotope Dilution | %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|----------|----------|----------------|----------------|
| 13C4 PFBA | 103 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C5 PFPeA | 103 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C2 PFHxA | 105 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C4 PFHpA | 105 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C4 PFOA | 102 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C5 PFNA | 102 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C2 PFDA | 102 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C2 PFUnA | 104 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C2 PFDoA | 103 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C2 PFTeDA | 113 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C3 PFBS | 101 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 18O2 PFHxS | 103 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |
| 13C4 PFOS | 103 | | 50 - 150 | | 10/11/22 12:26 | 10/12/22 08:32 |

Eurofins Sacramento

QC Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

Lab Sample ID: MB 320-624009/1-A

Matrix: Water

Analysis Batch: 624217

| Isotope Dilution | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|-----------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| | | | | | | | | |
| 13C8 FOSA | 99 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| M2-4:2 FTS | 113 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| M2-6:2 FTS | 112 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| M2-8:2 FTS | 109 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d5-NEtFOSAA | 114 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d3-NMeFOSAA | 117 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d-N-EtFOSA-M | 91 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d9-N-EtFOSE-M | 95 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d7-N-MeFOSE-M | 96 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| d-N-MeFOSA-M | 89 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |
| 13C3 HFPO-DA | 101 | | 50 - 150 | | | 10/11/22 12:26 | 10/12/22 08:32 | 1 |

Lab Sample ID: LCS 320-624009/2-A

Matrix: Water

Analysis Batch: 624217

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec | Limits |
|---------------------------------------|--------------|---------------|------------------|-------------|----------|-------------|-------------|---------------|
| | Added | Result | Qualifier | | | | | |
| Perfluorobutanoic acid (PFBA) | 40.0 | 45.1 | | ng/L | 113 | 73 - 129 | | |
| Perfluoropentanoic acid (PFPeA) | 40.0 | 42.8 | | ng/L | 107 | 72 - 129 | | |
| Perfluorohexanoic acid (PFHxA) | 40.0 | 42.7 | | ng/L | 107 | 72 - 129 | | |
| Perfluoroheptanoic acid (PFHpA) | 40.0 | 45.1 | | ng/L | 113 | 72 - 130 | | |
| Perfluoroctanoic acid (PFOA) | 40.0 | 44.6 | | ng/L | 111 | 71 - 133 | | |
| Perfluorononanoic acid (PFNA) | 40.0 | 42.1 | | ng/L | 105 | 69 - 130 | | |
| Perfluorodecanoic acid (PFDA) | 40.0 | 42.0 | | ng/L | 105 | 71 - 129 | | |
| Perfluoroundecanoic acid (PFUnA) | 40.0 | 45.1 | | ng/L | 113 | 69 - 133 | | |
| Perfluorododecanoic acid (PFDoA) | 40.0 | 41.0 | | ng/L | 103 | 72 - 134 | | |
| Perfluorotridecanoic acid (PFTrDA) | 40.0 | 42.1 | | ng/L | 105 | 65 - 144 | | |
| Perfluorotetradecanoic acid (PFTeA) | 40.0 | 40.8 | | ng/L | 102 | 71 - 132 | | |
| Perfluorobutanesulfonic acid (PFBS) | 35.5 | 39.0 | | ng/L | 110 | 72 - 130 | | |
| Perfluoropentanesulfonic acid (PFPeS) | 37.5 | 42.6 | | ng/L | 113 | 71 - 127 | | |
| Perfluorohexanesulfonic acid (PFHxS) | 36.5 | 36.6 | | ng/L | 100 | 68 - 131 | | |
| Perfluoroheptanesulfonic acid (PFHpS) | 38.2 | 43.8 | | ng/L | 115 | 69 - 134 | | |
| Perfluoroctanesulfonic acid (PFOS) | 37.2 | 41.6 | | ng/L | 112 | 65 - 140 | | |
| Perfluorodecanesulfonic acid (PFDS) | 38.6 | 41.0 | | ng/L | 106 | 53 - 142 | | |
| Perfluoroctanesulfonamide (FOSA) | 40.0 | 43.5 | | ng/L | 109 | 67 - 137 | | |
| NEtFOSA | 40.0 | 40.2 | | ng/L | 101 | 67 - 127 | | |
| NEtFOSAA | 40.0 | 46.0 | | ng/L | 115 | 61 - 135 | | |
| NEtFOSE | 40.0 | 41.6 | | ng/L | 104 | 70 - 130 | | |
| NMeFOSA | 40.0 | 43.7 | | ng/L | 109 | 68 - 141 | | |
| NMeFOSAA | 40.0 | 39.5 | | ng/L | 99 | 65 - 136 | | |
| NMeFOSE | 40.0 | 39.1 | | ng/L | 98 | 60 - 137 | | |

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 624009

QC Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

Lab Sample ID: LCS 320-624009/2-A

Matrix: Water

Analysis Batch: 624217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 624009

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---|-------------|------------|---------------|------|-----|----------|--------|
| 4:2 FTS | 37.5 | 41.5 | | ng/L | 111 | 63 - 143 | |
| 6:2 FTS | 38.1 | 40.3 | | ng/L | 106 | 64 - 140 | |
| 8:2 FTS | 38.4 | 40.9 | | ng/L | 106 | 67 - 138 | |
| 11Cl-PF3Ouds | 37.8 | 40.2 | | ng/L | 106 | 76 - 136 | |
| 9Cl-PF3ONS | 37.4 | 40.8 | | ng/L | 109 | 77 - 137 | |
| HFPO-DA (GenX) | 40.0 | 46.6 | | ng/L | 117 | 72 - 132 | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.8 | 46.6 | | ng/L | 123 | 81 - 141 | |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|------------------|---------------|---------------|----------|
| 13C4 PFBA | 102 | | 50 - 150 |
| 13C5 PFPeA | 106 | | 50 - 150 |
| 13C2 PFHxA | 105 | | 50 - 150 |
| 13C4 PFHpA | 105 | | 50 - 150 |
| 13C4 PFOA | 105 | | 50 - 150 |
| 13C5 PFNA | 105 | | 50 - 150 |
| 13C2 PFDA | 111 | | 50 - 150 |
| 13C2 PFUnA | 104 | | 50 - 150 |
| 13C2 PFDaA | 108 | | 50 - 150 |
| 13C2 PFTeDA | 113 | | 50 - 150 |
| 13C3 PFBS | 103 | | 50 - 150 |
| 18O2 PFHxS | 108 | | 50 - 150 |
| 13C4 PFOS | 102 | | 50 - 150 |
| 13C8 FOSA | 99 | | 50 - 150 |
| M2-4:2 FTS | 110 | | 50 - 150 |
| M2-6:2 FTS | 108 | | 50 - 150 |
| M2-8:2 FTS | 107 | | 50 - 150 |
| d5-NEtFOSAA | 112 | | 50 - 150 |
| d3-NMeFOSAA | 118 | | 50 - 150 |
| d-N-EtFOSA-M | 93 | | 50 - 150 |
| d9-N-EtFOSE-M | 94 | | 50 - 150 |
| d7-N-MeFOSE-M | 99 | | 50 - 150 |
| d-N-MeFOSA-M | 86 | | 50 - 150 |
| 13C3 HFPO-DA | 100 | | 50 - 150 |

Lab Sample ID: LCSD 320-624009/3-A

Matrix: Water

Analysis Batch: 624217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 624009

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|----------------------------------|-------------|-------------|----------------|------|-----|----------|--------|-----|-------|
| Perfluorobutanoic acid (PFBA) | 40.0 | 43.9 | | ng/L | 110 | 73 - 129 | 3 | 30 | |
| Perfluoropentanoic acid (PFPeA) | 40.0 | 43.1 | | ng/L | 108 | 72 - 129 | 0 | 30 | |
| Perfluorohexanoic acid (PFHxA) | 40.0 | 43.3 | | ng/L | 108 | 72 - 129 | 1 | 30 | |
| Perfluoroheptanoic acid (PFHpA) | 40.0 | 42.5 | | ng/L | 106 | 72 - 130 | 6 | 30 | |
| Perfluorooctanoic acid (PFOA) | 40.0 | 44.2 | | ng/L | 110 | 71 - 133 | 1 | 30 | |
| Perfluorononanoic acid (PFNA) | 40.0 | 43.3 | | ng/L | 108 | 69 - 130 | 3 | 30 | |
| Perfluorodecanoic acid (PFDA) | 40.0 | 41.6 | | ng/L | 104 | 71 - 129 | 1 | 30 | |
| Perfluoroundecanoic acid (PFUnA) | 40.0 | 46.2 | | ng/L | 115 | 69 - 133 | 2 | 30 | |

Eurofins Sacramento

QC Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

Lab Sample ID: LCSD 320-624009/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 624217

Prep Batch: 624009

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|-------------|-------------|----------------|------|-----|----------|-------------|-----|-----------|
| Perfluorododecanoic acid (PFDoA) | 40.0 | 42.3 | | ng/L | 106 | 72 - 134 | 3 | 30 | |
| Perfluorotridecanoic acid (PFTrDA) | 40.0 | 42.9 | | ng/L | 107 | 65 - 144 | 2 | 30 | |
| Perfluorotetradecanoic acid (PFTeA) | 40.0 | 41.5 | | ng/L | 104 | 71 - 132 | 2 | 30 | |
| Perfluorobutanesulfonic acid (PFBS) | 35.5 | 40.5 | | ng/L | 114 | 72 - 130 | 4 | 30 | |
| Perfluoropentanesulfonic acid (PFPeS) | 37.5 | 42.7 | | ng/L | 114 | 71 - 127 | 0 | 30 | |
| Perfluorohexanesulfonic acid (PFHxS) | 36.5 | 37.4 | | ng/L | 102 | 68 - 131 | 2 | 30 | |
| Perfluoroheptanesulfonic acid (PFHpS) | 38.2 | 41.1 | | ng/L | 108 | 69 - 134 | 6 | 30 | |
| Perfluorooctanesulfonic acid (PFOS) | 37.2 | 39.0 | | ng/L | 105 | 65 - 140 | 6 | 30 | |
| Perfluorodecanesulfonic acid (PFDS) | 38.6 | 41.9 | | ng/L | 109 | 53 - 142 | 2 | 30 | |
| Perfluorooctanesulfonamide (FOSA) | 40.0 | 43.2 | | ng/L | 108 | 67 - 137 | 1 | 30 | |
| NEtFOSA | 40.0 | 42.3 | | ng/L | 106 | 67 - 127 | 5 | 30 | |
| NEtFOSAA | 40.0 | 45.4 | | ng/L | 114 | 61 - 135 | 1 | 30 | |
| NEtFOSE | 40.0 | 41.1 | | ng/L | 103 | 70 - 130 | 1 | 30 | |
| NMeFOSA | 40.0 | 43.4 | | ng/L | 108 | 68 - 141 | 1 | 30 | |
| NMeFOSAA | 40.0 | 39.1 | | ng/L | 98 | 65 - 136 | 1 | 30 | |
| NMeFOSE | 40.0 | 40.2 | | ng/L | 101 | 60 - 137 | 3 | 30 | |
| 4:2 FTS | 37.5 | 38.6 | | ng/L | 103 | 63 - 143 | 7 | 30 | |
| 6:2 FTS | 38.1 | 40.3 | | ng/L | 106 | 64 - 140 | 0 | 30 | |
| 8:2 FTS | 38.4 | 40.7 | | ng/L | 106 | 67 - 138 | 0 | 30 | |
| 11CI-PF3OUDs | 37.8 | 40.4 | | ng/L | 107 | 76 - 136 | 0 | 30 | |
| 9CI-PF3ONS | 37.4 | 40.2 | | ng/L | 108 | 77 - 137 | 2 | 30 | |
| HFPO-DA (GenX) | 40.0 | 43.9 | | ng/L | 110 | 72 - 132 | 6 | 30 | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.8 | 44.0 | | ng/L | 117 | 81 - 141 | 6 | 30 | |

| Isotope Dilution | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------|----------------|----------------|----------|
| 13C4 PFBA | 105 | | 50 - 150 |
| 13C5 PFPeA | 107 | | 50 - 150 |
| 13C2 PFHxA | 105 | | 50 - 150 |
| 13C4 PFHpA | 109 | | 50 - 150 |
| 13C4 PFOA | 105 | | 50 - 150 |
| 13C5 PFNA | 104 | | 50 - 150 |
| 13C2 PFDA | 111 | | 50 - 150 |
| 13C2 PFUnA | 104 | | 50 - 150 |
| 13C2 PFDoA | 111 | | 50 - 150 |
| 13C2 PFTeDA | 114 | | 50 - 150 |
| 13C3 PFBS | 103 | | 50 - 150 |
| 18O2 PFHxS | 106 | | 50 - 150 |
| 13C4 PFOS | 104 | | 50 - 150 |
| 13C8 FOSA | 101 | | 50 - 150 |
| M2-4:2 FTS | 114 | | 50 - 150 |

Eurofins Sacramento

QC Sample Results

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Method: EPA 537(Mod) - PFAS for QSM 5.3, Table B-15 (Continued)

Lab Sample ID: LCSD 320-624009/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 624217

Prep Batch: 624009

| Isotope Dilution | LCSD | LCSD | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-6:2 FTS | 113 | | 50 - 150 |
| M2-8:2 FTS | 105 | | 50 - 150 |
| d5-NEtFOSAA | 115 | | 50 - 150 |
| d3-NMeFOSAA | 118 | | 50 - 150 |
| d-N-EtFOSA-M | 93 | | 50 - 150 |
| d9-N-EtFOSE-M | 95 | | 50 - 150 |
| d7-N-MeFOSE-M | 98 | | 50 - 150 |
| d-N-MeFOSA-M | 92 | | 50 - 150 |
| 13C3 HFPO-DA | 105 | | 50 - 150 |

QC Association Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

LCMS

Prep Batch: 624009

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-93007-1 | QCTB-01 | Total/NA | Water | 3535 | 1 |
| 320-93007-2 | QCFB-01 | Total/NA | Water | 3535 | 2 |
| 320-93007-3 | EW-2 | Total/NA | Water | 3535 | 3 |
| 320-93007-4 | QCEB-01 | Total/NA | Water | 3535 | 4 |
| 320-93007-5 | WA-20 | Total/NA | Water | 3535 | 5 |
| 320-93007-6 | CP-25 | Total/NA | Water | 3535 | 6 |
| MB 320-624009/1-A | Method Blank | Total/NA | Water | 3535 | 7 |
| LCS 320-624009/2-A | Lab Control Sample | Total/NA | Water | 3535 | 8 |
| LCSD 320-624009/3-A | Lab Control Sample Dup | Total/NA | Water | 3535 | 9 |

Analysis Batch: 624217

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 320-93007-1 | QCTB-01 | Total/NA | Water | EPA 537(Mod) | 10 |
| 320-93007-2 | QCFB-01 | Total/NA | Water | EPA 537(Mod) | 11 |
| 320-93007-3 | EW-2 | Total/NA | Water | EPA 537(Mod) | 12 |
| 320-93007-4 | QCEB-01 | Total/NA | Water | EPA 537(Mod) | 13 |
| 320-93007-5 | WA-20 | Total/NA | Water | EPA 537(Mod) | 14 |
| 320-93007-6 | CP-25 | Total/NA | Water | EPA 537(Mod) | 15 |
| MB 320-624009/1-A | Method Blank | Total/NA | Water | EPA 537(Mod) | |
| LCS 320-624009/2-A | Lab Control Sample | Total/NA | Water | EPA 537(Mod) | |
| LCSD 320-624009/3-A | Lab Control Sample Dup | Total/NA | Water | EPA 537(Mod) | |

Lab Chronicle

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Client Sample ID: QCTB-01
Date Collected: 10/07/22 00:00
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 281 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 09:22 | K1S | EET SAC |

Client Sample ID: QCFB-01
Date Collected: 10/07/22 13:10
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 284.8 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 09:32 | K1S | EET SAC |

Client Sample ID: EW-2
Date Collected: 10/07/22 13:15
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 288.1 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 09:42 | K1S | EET SAC |

Client Sample ID: QCEB-01
Date Collected: 10/07/22 13:40
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 287.4 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 09:52 | K1S | EET SAC |

Client Sample ID: WA-20
Date Collected: 10/07/22 13:55
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 273.4 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 10:03 | K1S | EET SAC |

Client Sample ID: CP-25
Date Collected: 10/07/22 15:10
Date Received: 10/08/22 09:45

Lab Sample ID: 320-93007-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3535 | | | 255.4 mL | 10.0 mL | 624009 | 10/11/22 12:26 | MRP | EET SAC |
| Total/NA | Analysis | EPA 537(Mod) | | 1 | 1 mL | 1 mL | 624217 | 10/12/22 10:33 | K1S | EET SAC |

Laboratory References:

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

Eurofins Sacramento

Accreditation/Certification Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

Laboratory: Eurofins Sacramento

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

| Authority | Program | Identification Number | Expiration Date |
|------------|---------|-----------------------|-----------------|
| California | State | 2897 | 01-31-23 |

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Eurofins Sacramento

Method Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

| Method | Method Description | Protocol | Laboratory |
|----------------------|--|--------------|--------------------|
| EPA 537(Mod) 3535 | PFAS for QSM 5.3, Table B-15 Solid-Phase Extraction (SPE) | EPA SW846 | EET SAC EET SAC |

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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Sample Summary

Client: Golder Associates Inc
Project/Site: 18105117

Job ID: 320-93007-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 320-93007-1 | QCTB-01 | Water | 10/07/22 00:00 | 10/08/22 09:45 |
| 320-93007-2 | QCFB-01 | Water | 10/07/22 13:10 | 10/08/22 09:45 |
| 320-93007-3 | EW-2 | Water | 10/07/22 13:15 | 10/08/22 09:45 |
| 320-93007-4 | QCEB-01 | Water | 10/07/22 13:40 | 10/08/22 09:45 |
| 320-93007-5 | WA-20 | Water | 10/07/22 13:55 | 10/08/22 09:45 |
| 320-93007-6 | CP-25 | Water | 10/07/22 15:10 | 10/08/22 09:45 |

BC Laboratories Inc.
4100 Atlas Ct.
Bakersfield, CA 93308

Chain of Custody & Sample Information Form

| (For Lab Use Only) | | Sample Integrity Upon Receipt | | | Lab Notes | |
|-----------------------------|-------------------------------------|-------------------------------|----|-----|-------------|---------------------------------------|
| Sample(s) Submitted on Ice? | <input checked="" type="checkbox"/> | Yes | No | N/A | Temperature | °C |
| Custody Seal(s) Intact? | <input checked="" type="checkbox"/> | Yes | No | | | <input type="checkbox"/> Cooler Blank |
| Sample(s) Intact? | <input checked="" type="checkbox"/> | Yes | No | | | |

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10/13/2022

Login Sample Receipt Checklist

Client: Golder Associates Inc

Job Number: 320-93007-1

Login Number: 93007

List Source: Eurofins Sacramento

List Number: 1

Creator: Oropeza, Salvador

| 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 | 1845809 |
| 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 | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | Refer to Job Narrative for details. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |