



Report of Analysis

RockGen Energy Center
2346 Clear View Rd.
Cambridge, WI 53523
Attention: Dennis Oehring

Lot Number: **WC11001**
Date Completed: 03/16/2021

Karen Coonan

03/16/2021 2:33 PM
Approved and released by:
Project Manager II: **Karen L. Coonan**



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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative RockGen Energy Center Lot Number: WC11001

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

In the Matrix Spike (MS) associated with sample -003, MeFOSA recovered outside of the acceptance limits. The Laboratory Control Spike (LCS) recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

PACE ANALYTICAL SERVICES, LLC

Sample Summary
RockGen Energy Center
Lot Number: WC11001
Project Name:
Project Number:

| Sample Number | Sample ID | Matrix | Date Sampled | Date Received |
|----------------------|------------------|---------------|---------------------|----------------------|
| 001 | Raw Tap | Aqueous | 03/10/2021 1629 | 03/11/2021 |
| 002 | Kitchen Tap | Aqueous | 03/10/2021 1632 | 03/11/2021 |
| 003 | Filter Tap | Aqueous | 03/10/2021 1636 | 03/11/2021 |
| 004 | Fridge Tap | Aqueous | 03/10/2021 1637 | 03/11/2021 |

(4 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary
RockGen Energy Center
Lot Number: WC11001
Project Name:
Project Number:

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|--------|-------------|---------|-----------|------------|--------|---|-------|------|
| 001 | Raw Tap | Aqueous | 8:2 FTS | PFAS by ID | 750 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | 6:2 FTS | PFAS by ID | 2700 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | 4:2 FTS | PFAS by ID | 8.7 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFBS | PFAS by ID | 1.1 | J | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFOSA | PFAS by ID | 1.1 | J | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFHxS | PFAS by ID | 1.2 | J | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFBA | PFAS by ID | 120 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFDA | PFAS by ID | 5.6 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFHpA | PFAS by ID | 190 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFHxA | PFAS by ID | 340 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFNA | PFAS by ID | 23 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFOA | PFAS by ID | 210 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFPeA | PFAS by ID | 500 | | ng/L | 5 |
| 001 | Raw Tap | Aqueous | PFOS | PFAS by ID | 7.8 | | ng/L | 5 |
| 002 | Kitchen Tap | Aqueous | 8:2 FTS | PFAS by ID | 860 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | 6:2 FTS | PFAS by ID | 3000 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | 4:2 FTS | PFAS by ID | 8.5 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFBS | PFAS by ID | 1.4 | J | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFOSA | PFAS by ID | 1.5 | J | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFBA | PFAS by ID | 120 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFDA | PFAS by ID | 5.6 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFHpA | PFAS by ID | 200 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFHxA | PFAS by ID | 350 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFNA | PFAS by ID | 24 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFOA | PFAS by ID | 200 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFPeA | PFAS by ID | 490 | | ng/L | 7 |
| 002 | Kitchen Tap | Aqueous | PFOS | PFAS by ID | 8.9 | | ng/L | 7 |
| 003 | Filter Tap | Aqueous | PFBA | PFAS by ID | 4.0 | | ng/L | 9 |
| 004 | Fridge Tap | Aqueous | 6:2 FTS | PFAS by ID | 14 | | ng/L | 11 |
| 004 | Fridge Tap | Aqueous | PFBA | PFAS by ID | 2.1 | J | ng/L | 11 |

(30 detections)

PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-001 |
| Description: Raw Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1629 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | SOP SPE | PFAS by ID SOP | 1 | 03/13/2021 1508 | JJG | 03/12/2021 1044 | 85520 |
| 2 | SOP SPE | PFAS by ID SOP | 5 | 03/15/2021 1239 | JJG | 03/12/2021 1044 | 85520 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|---|--------------------|-----------------------|-------------|----------|------------|------------|-------------|----------|
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | 756426-58-1 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...) | 763051-92-9 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS) | 39108-34-4 | PFAS by ID SOP | 750 | | 8.0 | 2.0 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS) | 27619-97-2 | PFAS by ID SOP | 2700 | | 40 | 10 | ng/L | 2 |
| 1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS) | 757124-72-4 | PFAS by ID SOP | 8.7 | | 8.0 | 2.0 | ng/L | 1 |
| Hexafluoropropylene oxide dimer acid (GenX) | 13252-13-6 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | 919005-14-4 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamide (EtFOSA) | 4151-50-2 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| 2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE) | 1691-99-2 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamide (MeFOSA) | 31506-32-8 | PFAS by ID SOP | ND | | 16 | 4.0 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| 2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE) | 24448-09-7 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| Perfluoro-1-butanefluoronic acid (PFBS) | 375-73-5 | PFAS by ID SOP | 1.1 | J | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-1-decanesulfonic acid (PFDS) | 335-77-3 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-1-heptanesulfonic acid (PFHpS) | 375-92-8 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-1-nonanesulfonic acid (PFNS) | 68259-12-1 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-1-octanesulfonamide (PFOSA) | 754-91-6 | PFAS by ID SOP | 1.1 | J | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-1-pentanesulfonic acid (PFPeS) | 2706-91-4 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluorododecanesulfonic acid (PFDOS) | 79780-39-5 | PFAS by ID SOP | ND | | 8.0 | 2.0 | ng/L | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | PFAS by ID SOP | 1.2 | J | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-butanoic acid (PFBA) | 375-22-4 | PFAS by ID SOP | 120 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | PFAS by ID SOP | 5.6 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | PFAS by ID SOP | 190 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | PFAS by ID SOP | 340 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | PFAS by ID SOP | 23 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | PFAS by ID SOP | 210 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-pentanoic acid (PFPeA) | 2706-90-3 | PFAS by ID SOP | 500 | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUDA) | 2058-94-8 | PFAS by ID SOP | ND | | 4.0 | 1.0 | ng/L | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | PFAS by ID SOP | 7.8 | | 4.0 | 1.0 | ng/L | 1 |

| Surrogate | Run 1 | | Run 2 | |
|--------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_4:2FTS | | 90 | | 85 |
| 13C2_6:2FTS | | 88 | | 106 |
| 13C2_8:2FTS | | 93 | | 118 |
| 13C2_PFDaA | | 92 | | 95 |
| 13C2_PFTeDA | | 90 | | 94 |
| 13C3_PFBS | | 81 | | 92 |
| 13C3_PFHxS | | 91 | | 90 |
| 13C3-HFPO-DA | | 97 | | 99 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-001 |
| Description: Raw Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1629 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits | Q | Run 2 % Recovery | Acceptance Limits |
|------------|---|---------------------|----------------------|---|---------------------|----------------------|
| 13C4_PFBa | | 91 | 25-150 | | 96 | 25-150 |
| 13C4_PFHpA | | 100 | 25-150 | | 92 | 25-150 |
| 13C5_PFHxA | | 97 | 25-150 | | 95 | 25-150 |
| 13C5_PFPeA | | 92 | 25-150 | | 98 | 25-150 |
| 13C6_PFDa | | 93 | 25-150 | | 91 | 25-150 |
| 13C7_PFUdA | | 93 | 25-150 | | 97 | 25-150 |
| 13C8_PFOA | | 93 | 25-150 | | 98 | 25-150 |
| 13C8_PFOs | | 87 | 25-150 | | 87 | 25-150 |
| 13C8_PFOsA | | 98 | 10-150 | | 91 | 10-150 |
| 13C9_PFNA | | 96 | 25-150 | | 94 | 25-150 |
| d-EtFOsA | | 59 | 10-150 | | 66 | 10-150 |
| d5-EtFOsAA | | 83 | 25-150 | | 94 | 25-150 |
| d9-EtFOsE | | 84 | 10-150 | | 88 | 10-150 |
| d-MeFOsA | | 68 | 10-150 | | 90 | 10-150 |
| d3-MeFOsAA | | 88 | 25-150 | | 93 | 25-150 |
| d7-MeFOsE | | 92 | 10-150 | | 90 | 10-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-002 |
| Description: Kitchen Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1632 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | SOP SPE | PFAS by ID SOP | 1 | 03/13/2021 1518 | JJG | 03/12/2021 1044 | 85520 |
| 2 | SOP SPE | PFAS by ID SOP | 5 | 03/15/2021 1250 | JJG | 03/12/2021 1044 | 85520 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|---|--------------------|-----------------------|-------------|----------|------------|-------------|-------------|----------|
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | 756426-58-1 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...) | 763051-92-9 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS) | 39108-34-4 | PFAS by ID SOP | 860 | | 37 | 9.3 | ng/L | 2 |
| 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS) | 27619-97-2 | PFAS by ID SOP | 3000 | | 37 | 9.3 | ng/L | 2 |
| 1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS) | 757124-72-4 | PFAS by ID SOP | 8.5 | | 7.4 | 1.9 | ng/L | 1 |
| Hexafluoropropylene oxide dimer acid (GenX) | 13252-13-6 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | 919005-14-4 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamide (EtFOSA) | 4151-50-2 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| 2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE) | 1691-99-2 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamide (MeFOSA) | 31506-32-8 | PFAS by ID SOP | ND | | 15 | 3.7 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| 2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE) | 24448-09-7 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| Perfluoro-1-butanefluoronic acid (PFBS) | 375-73-5 | PFAS by ID SOP | 1.4 | J | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-decanesulfonic acid (PFDS) | 335-77-3 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-heptanesulfonic acid (PFHpS) | 375-92-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-nonanesulfonic acid (PFNS) | 68259-12-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-octanesulfonamide (PFOSA) | 754-91-6 | PFAS by ID SOP | 1.5 | J | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-pentanesulfonic acid (PFPeS) | 2706-91-4 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluorododecanesulfonic acid (PFDOS) | 79780-39-5 | PFAS by ID SOP | ND | | 7.4 | 1.9 | ng/L | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-butanoic acid (PFBA) | 375-22-4 | PFAS by ID SOP | 120 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | PFAS by ID SOP | 5.6 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | PFAS by ID SOP | 200 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | PFAS by ID SOP | 350 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | PFAS by ID SOP | 24 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | PFAS by ID SOP | 200 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-pentanoic acid (PFPeA) | 2706-90-3 | PFAS by ID SOP | 490 | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUDA) | 2058-94-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | PFAS by ID SOP | 8.9 | | 3.7 | 0.93 | ng/L | 1 |

| Surrogate | Run 1 | | Run 2 | |
|--------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_4:2FTS | | 100 | | 91 |
| 13C2_6:2FTS | | 110 | | 97 |
| 13C2_8:2FTS | | 115 | | 113 |
| 13C2_PFDaA | | 95 | | 104 |
| 13C2_PFTeDA | | 100 | | 100 |
| 13C3_PFBS | | 93 | | 97 |
| 13C3_PFHxS | | 98 | | 101 |
| 13C3-HFPO-DA | | 109 | | 105 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-002 |
| Description: Kitchen Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1632 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits | Q | Run 2 % Recovery | Acceptance Limits |
|------------|---|---------------------|----------------------|---|---------------------|----------------------|
| 13C4_PFBA | | 108 | 25-150 | | 103 | 25-150 |
| 13C4_PFHpA | | 108 | 25-150 | | 99 | 25-150 |
| 13C5_PFHxA | | 108 | 25-150 | | 101 | 25-150 |
| 13C5_PFPeA | | 103 | 25-150 | | 100 | 25-150 |
| 13C6_PFDA | | 106 | 25-150 | | 98 | 25-150 |
| 13C7_PFUdA | | 108 | 25-150 | | 102 | 25-150 |
| 13C8_PFOA | | 108 | 25-150 | | 98 | 25-150 |
| 13C8_PFOS | | 96 | 25-150 | | 98 | 25-150 |
| 13C8_PFOSA | | 102 | 10-150 | | 104 | 10-150 |
| 13C9_PFNA | | 108 | 25-150 | | 100 | 25-150 |
| d-EtFOSA | | 72 | 10-150 | | 72 | 10-150 |
| d5-EtFOSAA | | 95 | 25-150 | | 105 | 25-150 |
| d9-EtFOSE | | 89 | 10-150 | | 96 | 10-150 |
| d-MeFOSA | | 77 | 10-150 | | 88 | 10-150 |
| d3-MeFOSAA | | 87 | 25-150 | | 106 | 25-150 |
| d7-MeFOSE | | 93 | 10-150 | | 108 | 10-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
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PFAS by LC/MS/MS

Client: **RockGen Energy Center**

Laboratory ID: **WC11001-003**

Description: **Filter Tap**

Matrix: **Aqueous**

Date Sampled: **03/10/2021 1636**

Project Name:

Date Received: **03/11/2021**

Project Number:

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | SOP SPE | PFAS by ID SOP | 1 | 03/13/2021 1529 | JJG | 03/12/2021 1044 | 85520 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|---|-----------------|-----------------------|------------|---|------------|-------------|-------------|----------|
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | 756426-58-1 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...) | 763051-92-9 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS) | 39108-34-4 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS) | 27619-97-2 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS) | 757124-72-4 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| Hexafluoropropylene oxide dimer acid (GenX) | 13252-13-6 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | 919005-14-4 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamide (EtFOSA) | 4151-50-2 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE) | 1691-99-2 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamide (MeFOSA) | 31506-32-8 | PFAS by ID SOP | ND | | 15 | 3.8 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| 2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE) | 24448-09-7 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| Perfluoro-1-butanefluoronic acid (PFBS) | 375-73-5 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-1-decanesulfonic acid (PFDS) | 335-77-3 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-1-heptanesulfonic acid (PFHpS) | 375-92-8 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-1-nonanesulfonic acid (PFNS) | 68259-12-1 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-1-octanesulfonamide (PFOSA) | 754-91-6 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-1-pentanesulfonic acid (PFPeS) | 2706-91-4 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluorododecanesulfonic acid (PFDOS) | 79780-39-5 | PFAS by ID SOP | ND | | 7.7 | 1.9 | ng/L | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-butanoic acid (PFBA) | 375-22-4 | PFAS by ID SOP | 4.0 | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-pentanoic acid (PFPeA) | 2706-90-3 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUDA) | 2058-94-8 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | PFAS by ID SOP | ND | | 3.8 | 0.96 | ng/L | 1 |

| Surrogate | Run 1 Q | Acceptance % Recovery | Limits |
|--------------|---------|-----------------------|--------|
| 13C2_4:2FTS | 98 | | 25-150 |
| 13C2_6:2FTS | 106 | | 25-150 |
| 13C2_8:2FTS | 100 | | 25-150 |
| 13C2_PFDaA | 105 | | 25-150 |
| 13C2_PFTeDA | 104 | | 25-150 |
| 13C3_PFBS | 96 | | 25-150 |
| 13C3_PFHxS | 111 | | 25-150 |
| 13C3-HFPO-DA | 108 | | 25-150 |
| 13C4_PFBA | 109 | | 25-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-003 |
| Description: Filter Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1636 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|------------|---|---------------------|----------------------|
| 13C4_PFHpA | | 118 | 25-150 |
| 13C5_PFHxA | | 117 | 25-150 |
| 13C5_PFPeA | | 107 | 25-150 |
| 13C6_PFDA | | 104 | 25-150 |
| 13C7_PFUdA | | 107 | 25-150 |
| 13C8_PFOA | | 117 | 25-150 |
| 13C8_PFOS | | 100 | 25-150 |
| 13C8_PFOSA | | 112 | 10-150 |
| 13C9_PFNA | | 108 | 25-150 |
| d-EtFOSA | | 66 | 10-150 |
| d5-EtFOSAA | | 93 | 25-150 |
| d9-EtFOSE | | 94 | 10-150 |
| d-MeFOSA | | 69 | 10-150 |
| d3-MeFOSAA | | 96 | 25-150 |
| d7-MeFOSE | | 103 | 10-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-004 |
| Description: Fridge Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1637 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | SOP SPE | PFAS by ID SOP | 1 | 03/13/2021 1601 | JJG | 03/12/2021 1044 | 85520 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|---|-------------------|-----------------------|------------|----------|------------|-------------|-------------|----------|
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) | 756426-58-1 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3...) | 763051-92-9 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS) | 39108-34-4 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS) | 27619-97-2 | PFAS by ID SOP | 14 | | 7.5 | 1.9 | ng/L | 1 |
| 1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS) | 757124-72-4 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| Hexafluoropropylene oxide dimer acid (GenX) | 13252-13-6 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | 919005-14-4 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamide (EtFOSA) | 4151-50-2 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE) | 1691-99-2 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamide (MeFOSA) | 31506-32-8 | PFAS by ID SOP | ND | | 15 | 3.7 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| 2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE) | 24448-09-7 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| Perfluoro-1-butanefluoronic acid (PFBS) | 375-73-5 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-decanesulfonic acid (PFDS) | 335-77-3 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-heptanesulfonic acid (PFHpS) | 375-92-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-nonanesulfonic acid (PFNS) | 68259-12-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-octanesulfonamide (PFOSA) | 754-91-6 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-1-pentanesulfonic acid (PFPeS) | 2706-91-4 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluorododecanesulfonic acid (PFDOS) | 79780-39-5 | PFAS by ID SOP | ND | | 7.5 | 1.9 | ng/L | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-butanoic acid (PFBA) | 375-22-4 | PFAS by ID SOP | 2.1 | J | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-pentanoic acid (PFPeA) | 2706-90-3 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUDA) | 2058-94-8 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | PFAS by ID SOP | ND | | 3.7 | 0.93 | ng/L | 1 |

| Surrogate | Run 1 Q | Run 1 % Recovery | Acceptance Limits |
|--------------|---------|------------------|-------------------|
| 13C2_4:2FTS | | 94 | 25-150 |
| 13C2_6:2FTS | | 99 | 25-150 |
| 13C2_8:2FTS | | 101 | 25-150 |
| 13C2_PFDa | | 94 | 25-150 |
| 13C2_PFTeDA | | 95 | 25-150 |
| 13C3_PFBS | | 91 | 25-150 |
| 13C3_PFHxS | | 100 | 25-150 |
| 13C3-HFPO-DA | | 102 | 25-150 |
| 13C4_PFBA | | 32 | 25-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: RockGen Energy Center | Laboratory ID: WC11001-004 |
| Description: Fridge Tap | Matrix: Aqueous |
| Date Sampled: 03/10/2021 1637 | Project Name: |
| Date Received: 03/11/2021 | Project Number: |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|------------|---|---------------------|----------------------|
| 13C4_PFHpA | | 109 | 25-150 |
| 13C5_PFHxA | | 104 | 25-150 |
| 13C5_PFPeA | | 97 | 25-150 |
| 13C6_PFDA | | 96 | 25-150 |
| 13C7_PFUdA | | 103 | 25-150 |
| 13C8_PFOA | | 105 | 25-150 |
| 13C8_PFOS | | 94 | 25-150 |
| 13C8_PFOSA | | 106 | 10-150 |
| 13C9_PFNA | | 109 | 25-150 |
| d-EtFOSA | | 80 | 10-150 |
| d5-EtFOSAA | | 96 | 25-150 |
| d9-EtFOSE | | 86 | 10-150 |
| d-MeFOSA | | 85 | 10-150 |
| d3-MeFOSAA | | 95 | 25-150 |
| d7-MeFOSE | | 87 | 10-150 |

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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QC Summary

PFAS by LC/MS/MS - MB

Sample ID: WQ85520-001

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Parameter | Result | Q | Dil | LOQ | DL | Units | Analysis Date |
|--------------|--------|---|-----|-----|-----|-------|-----------------|
| 9CI-PF3ONS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| 11CI-PF3OUdS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| 8:2 FTS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| 6:2 FTS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| 4:2 FTS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| GenX | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| ADONA | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| EtFOSA | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| EtFOSAA | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| EtFOSE | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| MeFOSA | ND | | 1 | 16 | 4.0 | ng/L | 03/13/2021 1447 |
| MeFOSAA | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| MeFOSE | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| PFBS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFDS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFHpS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFNS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFOSA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFPeS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFDOS | ND | | 1 | 8.0 | 2.0 | ng/L | 03/13/2021 1447 |
| PFHxS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFBA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFDA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFDoA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFHpA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFHxA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFNA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFOA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFPeA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFTeDA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFTTrDA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFUdA | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |
| PFOS | ND | | 1 | 4.0 | 1.0 | ng/L | 03/13/2021 1447 |

| Surrogate | Q | % Rec | Acceptance Limit |
|--------------|---|-------|------------------|
| 13C2_4:2FTS | | 109 | 25-150 |
| 13C2_6:2FTS | | 113 | 25-150 |
| 13C2_8:2FTS | | 109 | 25-150 |
| 13C2_PFDoA | | 107 | 25-150 |
| 13C2_PFTeDA | | 108 | 25-150 |
| 13C3_PFBs | | 100 | 25-150 |
| 13C3_PFHxS | | 111 | 25-150 |
| 13C3-HFPO-DA | | 120 | 25-150 |

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - MB

Sample ID: WQ85520-001

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Surrogate | Q | % Rec | Acceptance Limit |
|------------|---|-------|------------------|
| 13C4_PFBa | | 117 | 25-150 |
| 13C4_PFHpA | | 125 | 25-150 |
| 13C5_PFHxA | | 119 | 25-150 |
| 13C5_PFPeA | | 115 | 25-150 |
| 13C6_PFDA | | 112 | 25-150 |
| 13C7_PFUdA | | 111 | 25-150 |
| 13C8_PFOA | | 120 | 25-150 |
| 13C8_PFOS | | 102 | 25-150 |
| 13C8_PFOSA | | 111 | 10-150 |
| 13C9_PFNA | | 116 | 25-150 |
| d-EtFOSA | | 73 | 10-150 |
| d5-EtFOSAA | | 104 | 25-150 |
| d9-EtFOSE | | 106 | 10-150 |
| d-MeFOSA | | 74 | 10-150 |
| d3-MeFOSAA | | 109 | 25-150 |
| d7-MeFOSE | | 112 | 10-150 |

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - LCS

Sample ID: WQ85520-002

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Parameter | Spike Amount (ng/L) | Result (ng/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|--------------|---------------------|---------------|---|-----|-------|-------------|-----------------|
| 9CI-PF3ONS | 15 | 15 | | 1 | 99 | 50-150 | 03/13/2021 1457 |
| 11CI-PF3OUdS | 15 | 14 | | 1 | 95 | 50-150 | 03/13/2021 1457 |
| 8:2 FTS | 15 | 17 | | 1 | 109 | 50-150 | 03/13/2021 1457 |
| 6:2 FTS | 15 | 16 | | 1 | 106 | 50-150 | 03/13/2021 1457 |
| 4:2 FTS | 15 | 16 | | 1 | 109 | 50-150 | 03/13/2021 1457 |
| GenX | 32 | 33 | | 1 | 102 | 50-150 | 03/13/2021 1457 |
| ADONA | 15 | 16 | | 1 | 103 | 50-150 | 03/13/2021 1457 |
| EtFOSA | 16 | 24 | | 1 | 148 | 50-150 | 03/13/2021 1457 |
| EtFOSAA | 16 | 14 | | 1 | 90 | 50-150 | 03/13/2021 1457 |
| EtFOSE | 16 | 20 | | 1 | 126 | 50-150 | 03/13/2021 1457 |
| MeFOSA | 16 | 20 | | 1 | 126 | 50-150 | 03/13/2021 1457 |
| MeFOSAA | 16 | 18 | | 1 | 110 | 50-150 | 03/13/2021 1457 |
| MeFOSE | 16 | 16 | | 1 | 102 | 50-150 | 03/13/2021 1457 |
| PFBS | 14 | 17 | | 1 | 120 | 50-150 | 03/13/2021 1457 |
| PFDS | 15 | 13 | | 1 | 85 | 50-150 | 03/13/2021 1457 |
| PFHpS | 15 | 16 | | 1 | 107 | 50-150 | 03/13/2021 1457 |
| PFNS | 15 | 17 | | 1 | 108 | 50-150 | 03/13/2021 1457 |
| PFOSA | 16 | 17 | | 1 | 104 | 50-150 | 03/13/2021 1457 |
| PFPeS | 15 | 18 | | 1 | 120 | 50-150 | 03/13/2021 1457 |
| PFDOS | 15 | 13 | | 1 | 84 | 50-150 | 03/13/2021 1457 |
| PFHxS | 15 | 15 | | 1 | 100 | 50-150 | 03/13/2021 1457 |
| PFBA | 16 | 16 | | 1 | 103 | 50-150 | 03/13/2021 1457 |
| PFDA | 16 | 17 | | 1 | 106 | 50-150 | 03/13/2021 1457 |
| PFDoA | 16 | 16 | | 1 | 97 | 50-150 | 03/13/2021 1457 |
| PFHpA | 16 | 16 | | 1 | 97 | 50-150 | 03/13/2021 1457 |
| PFHxA | 16 | 16 | | 1 | 102 | 50-150 | 03/13/2021 1457 |
| PFNA | 16 | 16 | | 1 | 103 | 50-150 | 03/13/2021 1457 |
| PFOA | 16 | 16 | | 1 | 97 | 50-150 | 03/13/2021 1457 |
| PFPeA | 16 | 16 | | 1 | 99 | 50-150 | 03/13/2021 1457 |
| PFTeDA | 16 | 16 | | 1 | 101 | 50-150 | 03/13/2021 1457 |
| PFTTrDA | 16 | 14 | | 1 | 85 | 50-150 | 03/13/2021 1457 |
| PFUdA | 16 | 15 | | 1 | 92 | 50-150 | 03/13/2021 1457 |
| PFOS | 15 | 16 | | 1 | 108 | 50-150 | 03/13/2021 1457 |

| Surrogate | Q | % Rec | Acceptance Limit |
|--------------|---|-------|------------------|
| 13C2_4:2FTS | | 97 | 25-150 |
| 13C2_6:2FTS | | 100 | 25-150 |
| 13C2_8:2FTS | | 101 | 25-150 |
| 13C2_PFDoA | | 98 | 25-150 |
| 13C2_PFTeDA | | 93 | 25-150 |
| 13C3_PFBS | | 88 | 25-150 |
| 13C3_PFHxS | | 102 | 25-150 |
| 13C3-HFPO-DA | | 107 | 25-150 |

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - LCS

Sample ID: WQ85520-002

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Surrogate | Q | % Rec | Acceptance Limit |
|------------|---|-------|------------------|
| 13C4_PFBFA | | 102 | 25-150 |
| 13C4_PFHpA | | 107 | 25-150 |
| 13C5_PFHxA | | 106 | 25-150 |
| 13C5_PFPeA | | 100 | 25-150 |
| 13C6_PFDA | | 101 | 25-150 |
| 13C7_PFUdA | | 100 | 25-150 |
| 13C8_PFOA | | 104 | 25-150 |
| 13C8_PFOS | | 92 | 25-150 |
| 13C8_PFOSA | | 92 | 10-150 |
| 13C9_PFNA | | 105 | 25-150 |
| d-EtFOSA | | 69 | 10-150 |
| d5-EtFOSAA | | 88 | 25-150 |
| d9-EtFOSE | | 87 | 10-150 |
| d-MeFOSA | | 72 | 10-150 |
| d3-MeFOSAA | | 94 | 25-150 |
| d7-MeFOSE | | 98 | 10-150 |

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - MS

Sample ID: WC11001-003MS

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Parameter | Sample Amount (ng/L) | Spike Amount (ng/L) | Result (ng/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|--------------|----------------------|---------------------|------------------|---|-----|-------|-------------|-----------------|
| 9CI-PF3ONS | ND | 13 | 14 | | 1 | 103 | 50-150 | 03/13/2021 1540 |
| 11CI-PF3OUdS | ND | 13 | 14 | | 1 | 103 | 50-150 | 03/13/2021 1540 |
| 8:2 FTS | ND | 13 | 14 | | 1 | 107 | 50-150 | 03/13/2021 1540 |
| 6:2 FTS | ND | 13 | 20 | | 1 | 150 | 50-150 | 03/13/2021 1540 |
| 4:2 FTS | ND | 13 | 17 | | 1 | 130 | 50-150 | 03/13/2021 1540 |
| GenX | ND | 28 | 30 | | 1 | 105 | 50-150 | 03/13/2021 1540 |
| ADONA | ND | 13 | 15 | | 1 | 111 | 50-150 | 03/13/2021 1540 |
| EtFOSA | ND | 14 | 18 | | 1 | 125 | 50-150 | 03/13/2021 1540 |
| EtFOSAA | ND | 14 | 14 | | 1 | 98 | 50-150 | 03/13/2021 1540 |
| EtFOSE | ND | 14 | 18 | | 1 | 129 | 50-150 | 03/13/2021 1540 |
| MeFOSA | ND | 14 | 23 | N | 1 | 161 | 50-150 | 03/13/2021 1540 |
| MeFOSAA | ND | 14 | 15 | | 1 | 107 | 50-150 | 03/13/2021 1540 |
| MeFOSE | ND | 14 | 17 | | 1 | 124 | 50-150 | 03/13/2021 1540 |
| PFBS | ND | 12 | 16 | | 1 | 129 | 50-150 | 03/13/2021 1540 |
| PFDS | ND | 14 | 15 | | 1 | 110 | 50-150 | 03/13/2021 1540 |
| PFHpS | ND | 13 | 15 | | 1 | 114 | 50-150 | 03/13/2021 1540 |
| PFNS | ND | 14 | 13 | | 1 | 93 | 50-150 | 03/13/2021 1540 |
| PFOSA | ND | 14 | 16 | | 1 | 112 | 50-150 | 03/13/2021 1540 |
| PFPeS | ND | 13 | 16 | | 1 | 119 | 50-150 | 03/13/2021 1540 |
| PFDOS | ND | 14 | 12 | | 1 | 89 | 50-150 | 03/13/2021 1540 |
| PFHxS | ND | 13 | 13 | | 1 | 101 | 50-150 | 03/13/2021 1540 |
| PFBA | 4.0 | 14 | 19 | | 1 | 104 | 50-150 | 03/13/2021 1540 |
| PFDA | ND | 14 | 16 | | 1 | 111 | 50-150 | 03/13/2021 1540 |
| PFDaA | ND | 14 | 15 | | 1 | 108 | 50-150 | 03/13/2021 1540 |
| PFHpA | ND | 14 | 15 | | 1 | 105 | 50-150 | 03/13/2021 1540 |
| PFHxA | ND | 14 | 14 | | 1 | 102 | 50-150 | 03/13/2021 1540 |
| PFNA | ND | 14 | 15 | | 1 | 106 | 50-150 | 03/13/2021 1540 |
| PFOA | ND | 14 | 15 | | 1 | 104 | 50-150 | 03/13/2021 1540 |
| PFPeA | ND | 14 | 15 | | 1 | 108 | 50-150 | 03/13/2021 1540 |
| PFTeDA | ND | 14 | 15 | | 1 | 107 | 50-150 | 03/13/2021 1540 |
| PFTTrDA | ND | 14 | 15 | | 1 | 105 | 50-150 | 03/13/2021 1540 |
| PFUdA | ND | 14 | 15 | | 1 | 107 | 50-150 | 03/13/2021 1540 |
| PFOS | ND | 13 | 16 | | 1 | 119 | 50-150 | 03/13/2021 1540 |
| Surrogate | Q | % Rec | Acceptance Limit | | | | | |
| 13C2_4:2FTS | | 91 | 25-150 | | | | | |
| 13C2_6:2FTS | | 105 | 25-150 | | | | | |
| 13C2_8:2FTS | | 105 | 25-150 | | | | | |
| 13C2_PFDaA | | 92 | 25-150 | | | | | |
| 13C2_PFTeDA | | 98 | 25-150 | | | | | |
| 13C3_PFBs | | 87 | 25-150 | | | | | |
| 13C3_PFHxS | | 101 | 25-150 | | | | | |
| 13C3-HFPO-DA | | 106 | 25-150 | | | | | |

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J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - MS

Sample ID: WC11001-003MS

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Surrogate | Q | % Rec | Acceptance Limit |
|------------|---|-------|------------------|
| 13C4_PFBa | | 102 | 25-150 |
| 13C4_PFHpA | | 106 | 25-150 |
| 13C5_PFHxA | | 105 | 25-150 |
| 13C5_PFPeA | | 100 | 25-150 |
| 13C6_PFDA | | 99 | 25-150 |
| 13C7_PFUdA | | 95 | 25-150 |
| 13C8_PFOA | | 110 | 25-150 |
| 13C8_PFOS | | 92 | 25-150 |
| 13C8_PFOSA | | 101 | 10-150 |
| 13C9_PFNA | | 104 | 25-150 |
| d-EtFOSA | | 66 | 10-150 |
| d5-EtFOSAA | | 95 | 25-150 |
| d9-EtFOSE | | 88 | 10-150 |
| d-MeFOSA | | 61 | 10-150 |
| d3-MeFOSAA | | 92 | 25-150 |
| d7-MeFOSE | | 95 | 10-150 |

LOQ = Limit of Quantitation

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DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - MSD

Sample ID: WC11001-003MD

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Parameter | Sample Amount (ng/L) | Spike Amount (ng/L) | Result (ng/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date | |
|--------------|----------------------|---------------------|------------------|---|-----|-------|-------|-------------|-------------|-----------------|--|
| 9CI-PF3ONS | ND | 13 | 13 | | 1 | 102 | 0.47 | 50-150 | 30 | 03/13/2021 1550 | |
| 11CI-PF3OUdS | ND | 13 | 14 | | 1 | 107 | 4.1 | 50-150 | 30 | 03/13/2021 1550 | |
| 8:2 FTS | ND | 14 | 15 | | 1 | 111 | 4.6 | 50-150 | 30 | 03/13/2021 1550 | |
| 6:2 FTS | ND | 13 | 16 | | 1 | 119 | 23 | 50-150 | 30 | 03/13/2021 1550 | |
| 4:2 FTS | ND | 13 | 13 | | 1 | 99 | 27 | 50-150 | 30 | 03/13/2021 1550 | |
| GenX | ND | 28 | 31 | | 1 | 110 | 4.9 | 50-150 | 30 | 03/13/2021 1550 | |
| ADONA | ND | 13 | 15 | | 1 | 114 | 2.2 | 50-150 | 30 | 03/13/2021 1550 | |
| EtFOSA | ND | 14 | 17 | | 1 | 118 | 5.7 | 50-150 | 30 | 03/13/2021 1550 | |
| EtFOSAA | ND | 14 | 15 | | 1 | 107 | 9.4 | 50-150 | 30 | 03/13/2021 1550 | |
| EtFOSE | ND | 14 | 20 | | 1 | 142 | 10 | 50-150 | 30 | 03/13/2021 1550 | |
| MeFOSA | ND | 14 | 16 | + | 1 | 117 | 32 | 50-150 | 30 | 03/13/2021 1550 | |
| MeFOSAA | ND | 14 | 15 | | 1 | 109 | 2.0 | 50-150 | 30 | 03/13/2021 1550 | |
| MeFOSE | ND | 14 | 16 | | 1 | 114 | 8.1 | 50-150 | 30 | 03/13/2021 1550 | |
| PFBS | ND | 12 | 15 | | 1 | 118 | 8.3 | 50-150 | 30 | 03/13/2021 1550 | |
| PFDS | ND | 14 | 13 | | 1 | 96 | 13 | 50-150 | 30 | 03/13/2021 1550 | |
| PFHpS | ND | 13 | 15 | | 1 | 111 | 1.9 | 50-150 | 30 | 03/13/2021 1550 | |
| PFNS | ND | 14 | 13 | | 1 | 97 | 5.3 | 50-150 | 30 | 03/13/2021 1550 | |
| PFOSA | ND | 14 | 15 | | 1 | 107 | 4.8 | 50-150 | 30 | 03/13/2021 1550 | |
| PFPeS | ND | 13 | 15 | | 1 | 112 | 6.0 | 50-150 | 30 | 03/13/2021 1550 | |
| PFDOS | ND | 14 | 13 | | 1 | 94 | 6.0 | 50-150 | 30 | 03/13/2021 1550 | |
| PFHxS | ND | 13 | 12 | | 1 | 97 | 4.1 | 50-150 | 30 | 03/13/2021 1550 | |
| PFBA | 4.0 | 14 | 19 | | 1 | 106 | 2.0 | 50-150 | 30 | 03/13/2021 1550 | |
| PFDA | ND | 14 | 16 | | 1 | 110 | 0.80 | 50-150 | 30 | 03/13/2021 1550 | |
| PFDoA | ND | 14 | 16 | | 1 | 110 | 2.3 | 50-150 | 30 | 03/13/2021 1550 | |
| PFHpA | ND | 14 | 15 | | 1 | 104 | 0.29 | 50-150 | 30 | 03/13/2021 1550 | |
| PFHxA | ND | 14 | 14 | | 1 | 102 | 0.49 | 50-150 | 30 | 03/13/2021 1550 | |
| PFNA | ND | 14 | 15 | | 1 | 103 | 3.0 | 50-150 | 30 | 03/13/2021 1550 | |
| PFOA | ND | 14 | 15 | | 1 | 105 | 1.4 | 50-150 | 30 | 03/13/2021 1550 | |
| PFPeA | ND | 14 | 15 | | 1 | 106 | 1.5 | 50-150 | 30 | 03/13/2021 1550 | |
| PFTeDA | ND | 14 | 16 | | 1 | 111 | 3.7 | 50-150 | 30 | 03/13/2021 1550 | |
| PFTTrDA | ND | 14 | 14 | | 1 | 101 | 3.8 | 50-150 | 30 | 03/13/2021 1550 | |
| PFUdA | ND | 14 | 15 | | 1 | 103 | 4.0 | 50-150 | 30 | 03/13/2021 1550 | |
| PFOS | ND | 13 | 16 | | 1 | 123 | 3.1 | 50-150 | 30 | 03/13/2021 1550 | |
| Surrogate | Q | % Rec | Acceptance Limit | | | | | | | | |
| 13C2_4:2FTS | | 92 | 25-150 | | | | | | | | |
| 13C2_6:2FTS | | 91 | 25-150 | | | | | | | | |
| 13C2_8:2FTS | | 89 | 25-150 | | | | | | | | |
| 13C2_PFDoA | | 87 | 25-150 | | | | | | | | |
| 13C2_PFTeDA | | 91 | 25-150 | | | | | | | | |
| 13C3_PFBBS | | 86 | 25-150 | | | | | | | | |
| 13C3_PFHxS | | 92 | 25-150 | | | | | | | | |
| 13C3-HFPO-DA | | 97 | 25-150 | | | | | | | | |

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PFAS by LC/MS/MS - MSD

Sample ID: WC11001-003MD

Matrix: Aqueous

Batch: 85520

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 03/12/2021 1044

| Surrogate | Q | % Rec | Acceptance Limit |
|------------|---|-------|------------------|
| 13C4_PFBa | | 95 | 25-150 |
| 13C4_PFHpA | | 101 | 25-150 |
| 13C5_PFHxA | | 99 | 25-150 |
| 13C5_PFPeA | | 95 | 25-150 |
| 13C6_PFDA | | 96 | 25-150 |
| 13C7_PFUdA | | 86 | 25-150 |
| 13C8_PFOA | | 100 | 25-150 |
| 13C8_PFOS | | 82 | 25-150 |
| 13C8_PFOSA | | 90 | 10-150 |
| 13C9_PFNA | | 98 | 25-150 |
| d-EtFOSA | | 75 | 10-150 |
| d5-EtFOSAA | | 85 | 25-150 |
| d9-EtFOSE | | 79 | 10-150 |
| d-MeFOSA | | 70 | 10-150 |
| d3-MeFOSAA | | 86 | 25-150 |
| d7-MeFOSE | | 90 | 10-150 |

LOQ = Limit of Quantitation

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N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

**Chain of Custody
and
Miscellaneous Documents**

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)

Revised: 9/29/2020

Issuing Authority: Pace ENV - WCOL

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: ROCKGEN

Cooler Inspected by/date: MEH / 03/11/2021

Lot #: WC11001

| | |
|--|---|
| Means of receipt: <input type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other: _____ | |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 1. Were custody seals present on the cooler? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | 2. If custody seals were present, were they intact and unbroken? |
| pH Strip ID: <u>NA</u> Chlorine Strip ID: <u>NA</u> Tested by: <u>NA</u> | |
| Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: <u>NA</u> <u>2.3 / 2.3</u> °C <u>NA / NA</u> °C <u>NA / NA</u> °C <u>NA / NA</u> °C | |
| Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: <u>6</u> IR Gun Correction Factor: <u>0</u> °C | |
| Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None | |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: <u>phone / email / face-to-face</u> (circle one). |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | 4. Is the commercial courier's packing slip attached to this form? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. Were proper custody procedures (relinquished/received) followed? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. Were sample IDs listed on the COC? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 7. Were sample IDs listed on all sample containers? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 8. Was collection date & time listed on the COC? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. Was collection date & time listed on all sample containers? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. Did all container label information (ID, date, time) agree with the COC? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 11. Were tests to be performed listed on the COC? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 13. Was adequate sample volume available? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 14. Were all samples received within ½ the holding time or 48 hours, whichever comes first? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Were any samples containers missing/excess (circle one) samples Not listed on COC? |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼" or 6mm in diameter) in any of the VOA vials? |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 17. Were all DRO/metals/nutrient samples received at a pH of < 2? |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9? |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 19. Were all applicable NH ₃ /TKN/cyanide/pheno/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine? |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | 20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 21. Was the quote number listed on the container label? If yes, Quote # <u>NA</u> |
| Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.) | |
| Sample(s) <u>NA</u> were received incorrectly preserved and were adjusted accordingly in sample receiving with <u>NA</u> mL of circle one: H ₂ SO ₄ , HNO ₃ , HCl, NaOH using SR # <u>NA</u> | |
| Time of preservation <u>NA</u> . If more than one preservative is needed, please note in the comments below. | |
| Sample(s) <u>NA</u> were received with bubbles >6 mm in diameter. | |
| Samples(s) <u>NA</u> were received with TRC > 0.5 mg/L (if #19 is <i>no</i>) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: <u>NA</u> | |
| SR barcode labels applied by: <u>MEH</u> Date: <u>03/11/2021</u> | |

Comments:

Privileged and confidential, requested by counsel

RockGen Additional Information for Hazardous Substance Discharge Form:

- Filtered and raw tap potable water was sampled for PFAS on 3/10 and samples were submitted to Pace Analytical for an expedited turn-around time and results were received in the afternoon of 3/16.
- All drinking water is filtered through an activated carbon filter system used by the employees.
- RockGen discontinued the use of potable well water for drinking water purposes pending receipt of analytical results. Bottled water is currently being provided to employees.
- Analytical results for the samples filtered by the activated carbon system indicate a significant removal of PFAS compounds.
- RockGen has a Fire Suppression System for its fuel oil storage tank that contains PFAS based Aqueous Film Forming Foam (AFFF) and has not been used and/or tested since 3/2019.