

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau E

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www.dec.ny.gov

October 4, 2019

Mr. George Green, Supervisor

Town of New Windsor

555 Union Avenue

New Windsor, New York 12553

Re: New Windsor Public Water Supply Well Sample Results
Kroll Well, New Windsor (T), Orange County

Dear Supervisor Green,

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of the analytical results derived from the September 10, 2019 sampling of the granular activated carbon (GAC) water treatment system installed at the Town of New Windsor (Town) Kroll Well field at 354 Mount Airy Road (Tax Map ID #: 54-1-22.2) by DEC representatives.

The results of the sampling indicate that the Town's treated water supply is in conformance with the health advisory level established by the United States Environmental Protection Agency (EPA) for drinking water.

Specifically, the samples are analyzed for per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). The EPA has established the health advisory level at 70 parts per trillion (ppt) or nanograms per liter (ng/L) for a lifetime exposure to PFOA and PFOS. When both PFOA and PFOS are found in drinking water, the combined concentrations of PFOA and PFOS should be compared with the 70 ppt health advisory level (HAL).

During this event, sampling was conducted at nine locations:

- pre-treatment (raw untreated water), which has a "RAW WATER" identifier in the Client Sample ID;
- 25 % treatment – lead tank (A-25 identifier);
- 50 % treatment – lead tank (A-50 identifier);
- 75 % treatment – lead tank (A-75 identifier);
- mid-treatment (after the first GAC canister and prior to the second GAC canister), which has a "MID POINT" identifier in the Client Sample ID;
- 25 % treatment – lag tank (B-25 identifier);
- 50 % treatment – lag tank (B-50 identifier);
- 75 % treatment – lag tank (B-75 identifier); and
- post-treatment (after the entire treatment system), which has a "EFFLUENT" identifier in the Client Sample ID.

The nine locations sampled (and their associated identifiers) are depicted in Figure 1.

While testing for PFOS and PFOA was the primary goal, the DEC also tested for other possible contaminants that may be found in the Kroll Well water. Specifically, at the request of the New York State Department of Health (DOH), analysis for DOH Part 5, Subpart 5-1 compounds was included during this round. Moving forward, water samples will be analyzed on a monthly basis for PFAS only, unless otherwise directed by DOH.

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Jim Hayward, EA Science and Technology (DEC's Project Engineer) at (315) 431-4610 (ext.1857) or jhayward@eaest.com . For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Steven Phelps of Precision Environmental Services at (518) 528-1427. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Dr. Min-Sook Kim of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: min-sook.kim@health.ny.gov .

Sincerely,



David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

Enclosures

ec: w/enclosures
D. Zagon, Town of New Windsor
J. Egitto, Town of New Windsor
D. McGoey/M. Weeks, MHE
W. Gilday, NYSDOH
Dr. Kim, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
J. Hayward, EA Engineering
S. Phelps, PES
M. Cruden, NYSDEC
D. Bendell, Region 3 RHWRE
D. Harrington, NYSDEC

Town of New Windsor
Kroll Well GAC Operation and Maintenance Sampling Results

| Date | Analyte | Result¹ Raw Water | Result A25 | Result² A50 | Result A75 | Result Mid- Point | Result B25 | Result B50 | Result B75 | Result Effluent | Comparison Value (MCL³ or Guidance Value) |
|----------------|----------------|---|-----------------------|-----------------------------------|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|----------------------------|---|
| September 2019 | PFOA+PFOS | 16.7 | 12.3 | ND | ND | ND | ND | ND | ND | ND | 70 ⁴ |
| | | | | | | | | | | | |

Notes:

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Public Health Advisory for drinking water is currently 70 ppt.

How to Read Your Laboratory Reports

PFOA and PFOS Results:

- Analyte is the term used to describe what the laboratory was testing for, in this case PFOS and PFOA.
- Conc. (ng/l) is your result for PFOS and PFOA. In your case, no PFOS and PFOA were detected, thus ND or “non-detect” or <2.0 ng/l was reported. (ng/l = ppt)
- RL = reporting limit or RDL = reportable detection limit is the lowest level at which this specific testing protocol and laboratory has confidence in measuring the given analyte.
- Qualifiers are added information to help understand the quality of the data. Often, if something about the results or the calibration of the testing equipment was irregular, it would be reported here.

All other columns represent laboratory quality control information. The laboratory calibrates its equipment against a precise quantity of the chemical in order to ensure that the equipment is functioning properly. Some laboratory reports may not have all this information.

- Labeled Standard or Surrogate is the lab’s specific name for an individual control sample.
- %R is the percent of the control sample that was detected by the equipment. A 100% reading represents perfect equipment alignment.
- LCL-UCL is the lower concentration limit (LCL) and upper concentration limit (UCL). The LCL represents the lowest acceptable %R value and the UCL represent the highest acceptable %R value required to ensure your result is accurate.
- Qualifiers: If a result quality control variance is noted or if the %R value of any of the control samples were outside the allowable range that would have been noted in this last column. This gives the analyst less confidence in the measured value.

The analysis for PFOS and PFOA is performed using modified EPA Method 537. The laboratory may report a detection of PFOS and PFOA down to approximately 2.0 nanograms per liter (ng/l) or parts per trillion (ppt).

Inorganic Results:

- Parameter is the same as “analyte” above – it is the chemical being tested.
- Result is the concentration of that chemical detected.
- RL/PQL is the lowest level at which the specific laboratory test can reliably quantify the concentration. Below that number, the result is considered unreliable.
- DIL is the number of times the sample was diluted (necessary because the test has a certain range that it is accurate for).
- Units: mg/l is milligrams per liter or parts per million; ug/l is micrograms per liter or parts per billion.
- DW MCL stands for drinking water (DW) and “maximum contaminant level” (MCL). All chemicals that have a “maximum contaminant level” (MCL) established for drinking water (DW) have a level reported in this column.

- Sec Goal is the EPA nomenclature for all contaminants that have regulatory levels set based on aesthetics (for example, taste or color). DOH recognizes these EPA secondary goals as primary standards and enforces its drinking water quality program accordingly.
- Date/Time represents the date and time of the analysis at the lab.
- By refers to the technician who ran the test.
- Reference indicates the EPA method used in the test.

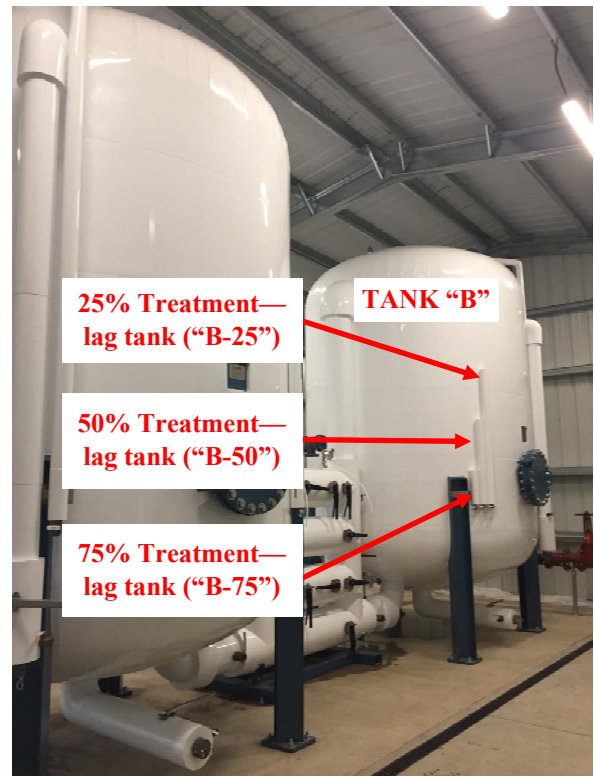
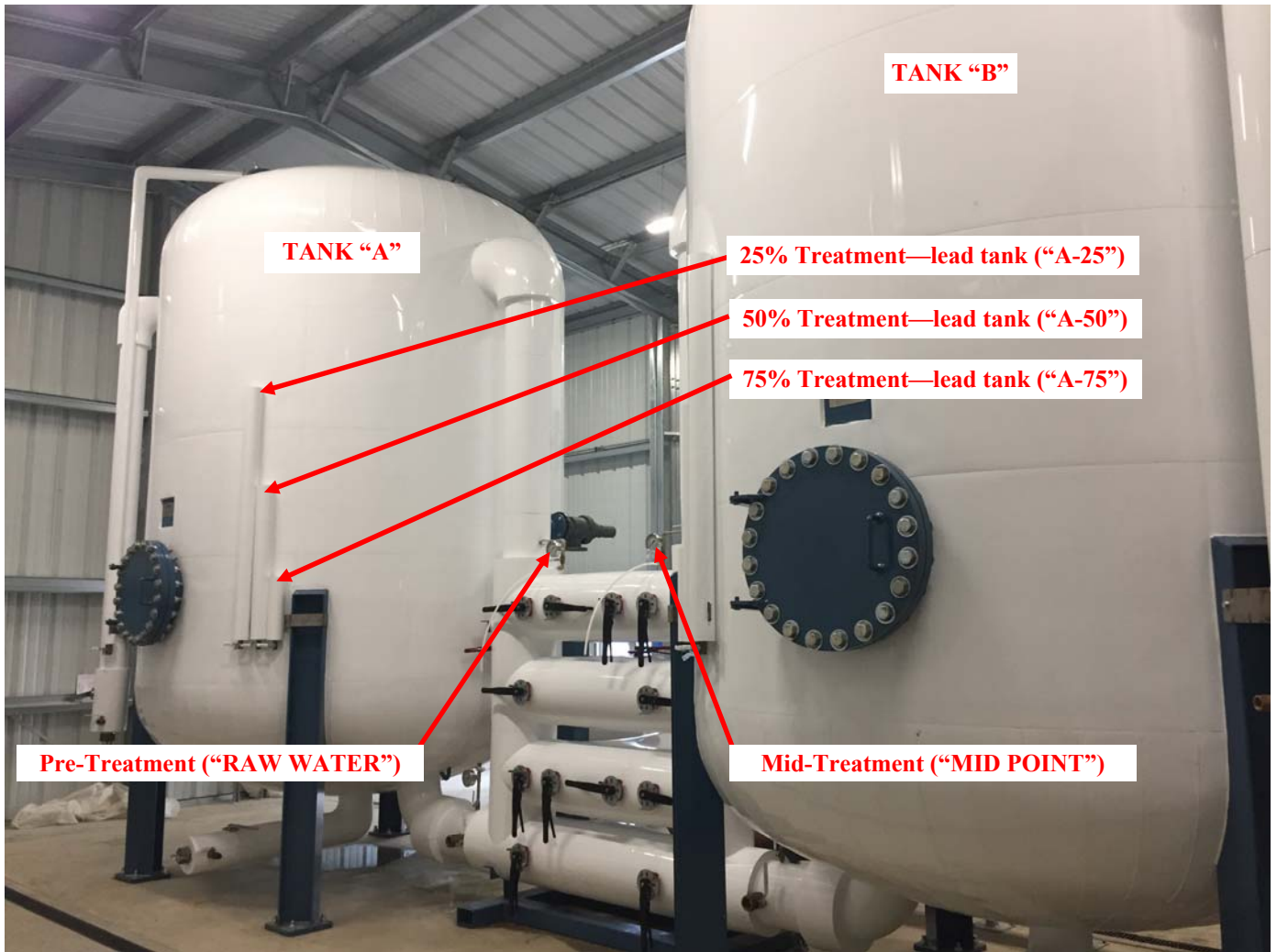


Figure 1—Kroll Well GAC Treatment System
Sampling Locations

6 PFAS

Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-1

Client Sample ID: Effluent

Lab Sample ID: 320-54156-1

No Detections.

Client Sample ID: Mid Point

Lab Sample ID: 320-54156-2

No Detections.

Client Sample ID: Raw Water

Lab Sample ID: 320-54156-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------------------|--------|-----------|-----|-----|------|---------|---|--------------------|-----------|
| Perfluorobutanesulfonic acid (PFBS) | 5.7 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluorohexanesulfonic acid (PFHxS) | 2.0 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluoroheptanoic acid (PFHpA) | 2.5 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluorooctanoic acid (PFOA) | 7.5 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 9.2 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |

Client Sample ID: Duplicate

Lab Sample ID: 320-54156-4

No Detections.

Client Sample ID: A-25

Lab Sample ID: 320-54156-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------------|--------|-----------|-----|-----|------|---------|---|--------------------|-----------|
| Perfluorobutanesulfonic acid (PFBS) | 4.7 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluorooctanoic acid (PFOA) | 5.9 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 6.4 | | 2.0 | | ng/L | 1 | | WS-LC-0025 Att1 | Total/NA |

Client Sample ID: A-50

Lab Sample ID: 320-54156-6

No Detections.

Client Sample ID: A-75

Lab Sample ID: 320-54156-7

No Detections.

Client Sample ID: B-25

Lab Sample ID: 320-54156-8

No Detections.

Client Sample ID: B-50

Lab Sample ID: 320-54156-9

No Detections.

Client Sample ID: B-75

Lab Sample ID: 320-54156-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-1

Client Sample ID: Effluent

Date Collected: 09/10/19 07:55

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-1

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Perfluorononanoic acid (PFNA) | ND | F1 | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 18O2 PFHxS | 149 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| 13C4 PFHpA | 130 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| 13C4 PFOA | 131 | * | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| 13C4 PFOS | 128 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| 13C5 PFNA | 134 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |
| 13C3 PFBS | 134 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 08:18 | 1 |

Client Sample ID: Mid Point

Date Collected: 09/10/19 07:58

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-2

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 18O2 PFHxS | 142 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| 13C4 PFHpA | 128 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| 13C4 PFOA | 131 | * | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| 13C4 PFOS | 130 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| 13C5 PFNA | 125 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |
| 13C3 PFBS | 128 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 09:13 | 1 |

Client Sample ID: Raw Water

Date Collected: 09/10/19 08:00

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-3

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | 5.7 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 2.0 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 2.5 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| Perfluorooctanoic acid (PFOA) | 7.5 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 9.2 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:32 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-1

Client Sample ID: Raw Water

Date Collected: 09/10/19 08:00

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-3

Matrix: Water

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 18O2 PFHxS | 147 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| 13C4 PFHpA | 128 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| 13C4 PFOA | 130 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| 13C4 PFOS | 127 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| 13C5 PFNA | 130 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |
| 13C3 PFBS | 130 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:32 | 1 |

Client Sample ID: Duplicate

Date Collected: 09/10/19 07:56

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-4

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 09:50 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 18O2 PFHxS | 139 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| 13C4 PFHpA | 122 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| 13C4 PFOA | 123 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| 13C4 PFOS | 127 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| 13C5 PFNA | 127 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |
| 13C3 PFBS | 122 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 09:50 | 1 |

Client Sample ID: A-25

Date Collected: 09/10/19 08:05

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-5

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | 4.7 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| Perfluorooctanoic acid (PFOA) | 5.9 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 6.4 | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:08 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 18O2 PFHxS | 140 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| 13C4 PFHpA | 124 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| 13C4 PFOA | 123 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| 13C4 PFOS | 116 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| 13C5 PFNA | 118 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |
| 13C3 PFBS | 125 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 10:08 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-1

Client Sample ID: A-50

Date Collected: 09/10/19 08:10

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-6

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 18O2 PFHxS | 138 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| 13C4 PFHpA | 122 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| 13C4 PFOA | 122 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| 13C4 PFOS | 118 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| 13C5 PFNA | 122 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |
| 13C3 PFBS | 123 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 10:27 | 1 |

Client Sample ID: A-75

Date Collected: 09/10/19 08:12

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-7

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 18O2 PFHxS | 143 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| 13C4 PFHpA | 120 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| 13C4 PFOA | 122 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| 13C4 PFOS | 128 | | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| 13C5 PFNA | 120 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |
| 13C3 PFBS | 125 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:04 | 1 |

Client Sample ID: B-25

Date Collected: 09/10/19 08:15

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-8

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 18O2 PFHxS | 140 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| 13C4 PFHpA | 129 | | 25 - 150 | | | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| 13C4 PFOA | 133 | * | 70 - 130 | | | | 09/13/19 15:08 | 09/14/19 11:22 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-1

Client Sample ID: B-25

Date Collected: 09/10/19 08:15

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-8

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFOS | 129 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| 13C5 PFNA | 133 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:22 | 1 |
| 13C3 PFBS | 129 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:22 | 1 |

Client Sample ID: B-50

Date Collected: 09/10/19 08:20

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-9

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:41 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| 18O2 PFHxS | 129 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |
| 13C4 PFHpA | 113 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |
| 13C4 PFOA | 118 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |
| 13C4 PFOS | 107 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |
| 13C5 PFNA | 116 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |
| 13C3 PFBS | 123 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:41 | 1 | | | |

Client Sample ID: B-75

Date Collected: 09/10/19 08:25

Date Received: 09/11/19 09:25

Lab Sample ID: 320-54156-10

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 15:08 | 09/14/19 11:59 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| 18O2 PFHxS | 140 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |
| 13C4 PFHpA | 120 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |
| 13C4 PFOA | 122 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |
| 13C4 PFOS | 114 | | 70 - 130 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |
| 13C5 PFNA | 121 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |
| 13C3 PFBS | 123 | | 25 - 150 | 09/13/19 15:08 | 09/14/19 11:59 | 1 | | | |

21 PFAS

Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: Effluent

Lab Sample ID: 320-54156-1

No Detections.

Client Sample ID: Mid Point

Lab Sample ID: 320-54156-2

No Detections.

Client Sample ID: Raw Water

Lab Sample ID: 320-54156-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------------------|--------|-----------|-----|-----|------|---------|---|----------------|-----------|
| Perfluorobutanoic acid (PFBA) | 2.8 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluoropentanoic acid (PFPeA) | 3.0 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorohexanoic acid (PFHxA) | 3.1 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluoroheptanoic acid (PFHpA) | 2.7 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorooctanoic acid (PFOA) | 8.4 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorobutanesulfonic acid (PFBS) | 5.9 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorohexanesulfonic acid (PFHxS) | 2.0 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 14 | | 1.9 | | ng/L | 1 | | 537 (modified) | Total/NA |

Client Sample ID: Duplicate

Lab Sample ID: 320-54156-4

No Detections.

Client Sample ID: A-25

Lab Sample ID: 320-54156-5

No Detections.

Client Sample ID: A-50

Lab Sample ID: 320-54156-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------------|--------|-----------|-----|-----|------|---------|---|----------------|-----------|
| Perfluorobutanoic acid (PFBA) | 2.6 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluoropentanoic acid (PFPeA) | 2.7 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorohexanoic acid (PFHxA) | 2.6 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluoroheptanoic acid (PFHpA) | 2.2 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorooctanoic acid (PFOA) | 6.1 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorobutanesulfonic acid (PFBS) | 4.9 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |
| Perfluorooctanesulfonic acid (PFOS) | 7.8 | | 1.8 | | ng/L | 1 | | 537 (modified) | Total/NA |

Client Sample ID: A-75

Lab Sample ID: 320-54156-7

No Detections.

Client Sample ID: B-25

Lab Sample ID: 320-54156-8

No Detections.

Client Sample ID: B-50

Lab Sample ID: 320-54156-9

No Detections.

Client Sample ID: B-75

Lab Sample ID: 320-54156-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: Effluent

Lab Sample ID: 320-54156-1

Date Collected: 09/10/19 07:55

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 6:2 FTS | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 8:2 FTS | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 13C4 PFBA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C5 PFPeA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C2 PFHxA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C4 PFHpA | 90 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C4 PFOA | 90 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C5 PFNA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C2 PFDA | 90 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C2 PFUnA | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C2 PFDoA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C2 PFTeDA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 18O2 PFHxS | 102 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C4 PFOS | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| 13C8 FOSA | 89 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| d3-NMeFOSAA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| d5-NEtFOSAA | 84 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| M2-6:2 FTS | 100 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |
| M2-8:2 FTS | 94 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:20 | 1 |

Client Sample ID: Mid Point

Lab Sample ID: 320-54156-2

Date Collected: 09/10/19 07:58

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |

Eurofins TestAmerica, Sacramento

21 PFAS

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: Mid Point

Lab Sample ID: 320-54156-2

Date Collected: 09/10/19 07:58

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluoropentanoic acid (PFPeA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 2.0 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 6:2 FTS | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 8:2 FTS | ND | | 20 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C4 PFBA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C5 PFPeA | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C2 PFHxA | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C4 PFHpA | 94 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C4 PFOA | 97 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C5 PFNA | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C2 PFDA | 97 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C2 PFUnA | 98 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C2 PFDoA | 97 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C2 PFTeDA | 96 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 18O2 PFHxS | 106 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C4 PFOS | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| 13C8 FOSA | 96 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| d3-NMeFOSAA | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| d5-NEtFOSAA | 89 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| M2-6:2 FTS | 98 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |
| M2-8:2 FTS | 104 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 12:48 | 1 |

Client Sample ID: Raw Water

Lab Sample ID: 320-54156-3

Date Collected: 09/10/19 08:00

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | 2.8 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluoropentanoic acid (PFPeA) | 3.0 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |

Eurofins TestAmerica, Sacramento

21 PFAS

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: Raw Water

Lab Sample ID: 320-54156-3

Date Collected: 09/10/19 08:00

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid (PFHxA) | 3.1 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 2.7 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorooctanoic acid (PFOA) | 8.4 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 5.9 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 2.0 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 14 | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 12:58 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 81 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C5 PFPeA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C2 PFHxA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C4 PFHpA | 91 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C4 PFOA | 88 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C5 PFNA | 88 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C2 PFDA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C2 PFUnA | 93 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C2 PFDoA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C2 PFTeDA | 81 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 18O2 PFHxS | 99 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C4 PFOS | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| 13C8 FOSA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| d3-NMeFOSAA | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| d5-NEtFOSAA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| M2-6:2 FTS | 94 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |
| M2-8:2 FTS | 97 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 12:58 | 1 |

Client Sample ID: Duplicate

Lab Sample ID: 320-54156-4

Date Collected: 09/10/19 07:56

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |

Eurofins TestAmerica, Sacramento

21 PFAS

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: Duplicate

Lab Sample ID: 320-54156-4

Date Collected: 09/10/19 07:56

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluoropentanoic acid (PFPeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:08 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 81 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C5 PFPeA | 85 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C2 PFHxA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C4 PFHpA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C4 PFOA | 92 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C5 PFNA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C2 PFDA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C2 PFUnA | 97 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C2 PFDoA | 93 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C2 PFTeDA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 18O2 PFHxS | 99 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C4 PFOS | 91 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| 13C8 FOSA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| d3-NMeFOSAA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| d5-NEtFOSAA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| M2-6:2 FTS | 95 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |
| M2-8:2 FTS | 98 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:08 | 1 |

Client Sample ID: A-25

Lab Sample ID: 320-54156-5

Date Collected: 09/10/19 08:05

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: A-25

Lab Sample ID: 320-54156-5

Date Collected: 09/10/19 08:05

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid (PFHxA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 6:2 FTS | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 8:2 FTS | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--|--|----------------|----------------|---------|
| 13C4 PFBA | 85 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C5 PFPeA | 87 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C2 PFHxA | 85 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C4 PFHpA | 91 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C4 PFOA | 90 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C5 PFNA | 88 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C2 PFDA | 86 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C2 PFUnA | 93 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C2 PFDoA | 87 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C2 PFTeDA | 82 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 18O2 PFHxS | 99 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C4 PFOS | 86 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| 13C8 FOSA | 89 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| d3-NMeFOSAA | 85 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| d5-NEtFOSAA | 91 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| M2-6:2 FTS | 94 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |
| M2-8:2 FTS | 94 | | 25 - 150 | | | 09/13/19 06:01 | 09/15/19 13:27 | 1 |

Client Sample ID: A-50

Lab Sample ID: 320-54156-6

Date Collected: 09/10/19 08:10

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | 2.6 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluoropentanoic acid (PFPeA) | 2.7 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorohexanoic acid (PFHxA) | 2.6 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: A-50

Lab Sample ID: 320-54156-6

Date Collected: 09/10/19 08:10

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluoroheptanoic acid (PFHpA) | 2.2 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorooctanoic acid (PFOA) | 6.1 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 4.9 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 7.8 | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.8 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 6:2 FTS | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 8:2 FTS | ND | | 18 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:17 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 78 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C5 PFPeA | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C2 PFHxA | 83 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C4 PFHpA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C4 PFOA | 90 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C5 PFNA | 85 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C2 PFDA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C2 PFUnA | 93 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C2 PFDoA | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C2 PFTeDA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 18O2 PFHxS | 93 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C4 PFOS | 91 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| 13C8 FOSA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| d3-NMeFOSAA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| d5-NEtFOSAA | 91 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| M2-6:2 FTS | 93 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |
| M2-8:2 FTS | 99 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 13:17 | 1 |

Client Sample ID: A-75

Lab Sample ID: 320-54156-7

Date Collected: 09/10/19 08:12

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: A-75

Lab Sample ID: 320-54156-7

Date Collected: 09/10/19 08:12

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C4 PFBA | 80 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C5 PFPeA | 82 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C2 PFHxA | 83 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C4 PFHpA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C4 PFOA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C5 PFNA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C2 PFDA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C2 PFUnA | 92 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C2 PFDoA | 83 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C2 PFTeDA | 82 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 18O2 PFHxS | 95 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C4 PFOS | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| 13C8 FOSA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| d3-NMeFOSAA | 81 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| d5-NEtFOSAA | 81 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| M2-6:2 FTS | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |
| M2-8:2 FTS | 97 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 13:56 | 1 |

Client Sample ID: B-25

Lab Sample ID: 320-54156-8

Date Collected: 09/10/19 08:15

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: B-25

Lab Sample ID: 320-54156-8

Date Collected: 09/10/19 08:15

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorooctanoic acid (PFOA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:05 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 80 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C5 PFPeA | 81 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C2 PFHxA | 80 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C4 PFHpA | 85 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C4 PFOA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C5 PFNA | 83 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C2 PFDA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C2 PFUnA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C2 PFDoA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C2 PFTeDA | 80 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 18O2 PFHxS | 92 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C4 PFOS | 81 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| 13C8 FOSA | 83 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| d3-NMeFOSAA | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| d5-NEtFOSAA | 79 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| M2-6:2 FTS | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |
| M2-8:2 FTS | 89 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:05 | 1 |

Client Sample ID: B-50

Lab Sample ID: 320-54156-9

Date Collected: 09/10/19 08:20

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: B-50

Lab Sample ID: 320-54156-9

Date Collected: 09/10/19 08:20

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C4 PFBA | 85 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C5 PFPeA | 87 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C2 PFHxA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C4 PFHpA | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C4 PFOA | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C5 PFNA | 92 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C2 PFDA | 90 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C2 PFUnA | 96 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C2 PFDoA | 95 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C2 PFTeDA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 18O2 PFHxS | 99 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C4 PFOS | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| 13C8 FOSA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| d3-NMeFOSAA | 88 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| d5-NEtFOSAA | 86 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| M2-6:2 FTS | 91 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |
| M2-8:2 FTS | 93 | | 25 - 150 | | | | 09/13/19 06:01 | 09/15/19 14:15 | 1 |

Client Sample ID: B-75

Lab Sample ID: 320-54156-10

Date Collected: 09/10/19 08:25

Matrix: Water

Date Received: 09/11/19 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-54156-2

Client Sample ID: B-75

Lab Sample ID: 320-54156-10

Date Collected: 09/10/19 08:25

Matrix: Water

Date Received: 09/11/19 09:25

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 6:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 8:2 FTS | ND | | 19 | | ng/L | | 09/13/19 06:01 | 09/15/19 14:25 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C5 PFPeA | 83 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C2 PFHxA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C4 PFHpA | 88 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C4 PFOA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C5 PFNA | 85 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C2 PFDA | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C2 PFUnA | 86 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C2 PFDoA | 85 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C2 PFTeDA | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 18O2 PFHxS | 95 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C4 PFOS | 82 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| 13C8 FOSA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| d3-NMeFOSAA | 78 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| d5-NEtFOSAA | 84 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| M2-6:2 FTS | 92 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |
| M2-8:2 FTS | 87 | | 25 - 150 | 09/13/19 06:01 | 09/15/19 14:25 | 1 |

NYSDOH PART 5, SUBPART 5-1

Detection Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 680-173425-1

Client Sample ID: System Effluent

Lab Sample ID: 680-173425-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|-----|------|---------|---|---------------|-----------|
| Chloride | 92 | | 0.50 | | mg/L | 1 | | 300.0 | Total/NA |
| Fluoride | 0.13 | | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 19 | | 1.0 | | mg/L | 1 | | 300.0 | Total/NA |
| Sodium | 60.3 | | 1.0 | | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.045 | | 0.020 | | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Barium | 16.4 | | 2.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Copper | 7.0 | | 5.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Lead | 1.6 | | 0.30 | | ug/L | 1 | | 200.8 | Total/NA |

Client Sample ID: Trip Blank

Lab Sample ID: 680-173425-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah



NYSDOH PART 5, SUBPART 5-1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 680-173425-1

Client Sample ID: System Effluent

Lab Sample ID: 680-173425-1

Date Collected: 08/26/19 12:05

Matrix: Water

Date Received: 08/27/19 09:03

Method: 524.2 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|---------|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Bromobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Bromomethane | ND | | 0.0010 | | mg/L | | | 09/06/19 18:14 | 1 |
| Carbon tetrachloride | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Chlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Chlorobromomethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Chloroethane | ND | | 0.0010 | | mg/L | | | 09/06/19 18:14 | 1 |
| Chloromethane | ND | * | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 2-Chlorotoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 4-Chlorotoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Dibromomethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Dichlorodifluoromethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1-Dichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2-Dichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2-Dichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,3-Dichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 2,2-Dichloropropane | ND | * | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Ethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Hexachlorobutadiene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Isopropylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 4-Isopropyltoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Methylene Chloride | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Methyl tert-butyl ether | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| m-Xylene & p-Xylene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| n-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| N-Propylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| o-Xylene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| sec-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Styrene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| tert-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Tetrachloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Toluene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Trichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Trichlorofluoromethane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |

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NYSDOH PART 5, SUBPART 5-1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 680-173425-1

Client Sample ID: System Effluent

Lab Sample ID: 680-173425-1

Date Collected: 08/26/19 12:05

Matrix: Water

Date Received: 08/27/19 09:03

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| 1,2,3-Trichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Vinyl chloride | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Xylenes, Total | ND | | 0.00050 | | mg/L | | | 09/06/19 18:14 | 1 |
| Trihalomethanes, Total | ND | | 0.50 | | ug/L | | | 09/06/19 18:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 96 | | 70 - 130 | | | | | 09/06/19 18:14 | 1 |
| 1,2-Dichlorobenzene-d4 | 98 | | 70 - 130 | | | | | 09/06/19 18:14 | 1 |

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Alachlor | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Atrazine | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Benzo[a]pyrene | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 0.0019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Butachlor | ND | | 0.48 | | ug/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Di(2-ethylhexyl)adipate | ND | | 1.4 | | ug/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Hexachlorobenzene | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Hexachlorocyclopentadiene | ND | F1 | 0.0019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Metolachlor | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Metribuzin | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Propachlor | ND | | 0.00019 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Simazine | ND | | 0.00048 | | mg/L | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2-Nitro-m-xylene | 97 | | 70 - 130 | | | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Perylene-d12 | 78 | | 70 - 130 | | | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |
| Triphenylphosphate | 109 | | 70 - 130 | | | | 09/06/19 08:44 | 09/09/19 18:30 | 1 |

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Propylene glycol | ND | | 5.0 | | mg/L | | | 08/28/19 19:05 | 1 |

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,2-Dibromo-3-Chloropropane | ND | | 0.000018 | | mg/L | | 08/29/19 15:56 | 08/30/19 03:27 | 1 |
| Ethylene Dibromide | ND | | 0.000018 | | mg/L | | 08/29/19 15:56 | 08/30/19 03:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Pentachloroethane | 109 | | 70 - 130 | | | | 08/29/19 15:56 | 08/30/19 03:27 | 1 |

Method: 508 - Chlorinated Pesticides & PCBs (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Aldrin | ND | * | 0.000024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Chlordane (technical) | ND | | 0.00024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Dieldrin | ND | * | 0.000024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Endrin | ND | * | 0.000024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| gamma-BHC (Lindane) | ND | * | 0.000024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Heptachlor | ND | * | 0.000024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |

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NYSDOH PART 5, SUBPART 5-1

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Client Sample Results

Job ID: 680-173425-1

Client Sample ID: System Effluent

Lab Sample ID: 680-173425-1

Date Collected: 08/26/19 12:05

Matrix: Water

Date Received: 08/27/19 09:03

Method: 508 - Chlorinated Pesticides & PCBs (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Heptachlor epoxide | ND | * | 0.00024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Methoxychlor | ND | * | 0.00024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1016 | ND | * | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1221 | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1232 | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1242 | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1248 | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1254 | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| PCB-1260 | ND | * | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Polychlorinated biphenyls, Total | ND | | 0.00048 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Toxaphene | ND | | 0.0024 | | mg/L | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 67 | X | 70 - 130 | | | | 08/29/19 09:19 | 09/06/19 23:15 | 1 |

Method: 515.1 - Herbicides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| 2,4-D | ND | | 0.00049 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Dalapon | ND | | 0.0049 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Dicamba | ND | | 0.49 | | ug/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Dinoseb | ND | | 0.00098 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Pentachlorophenol | ND | | 0.00020 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Picloram | ND | | 0.00049 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Silvex (2,4,5-TP) | ND | | 0.00024 | | mg/L | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4-Dichlorophenylacetic acid | 104 | | 70 - 130 | | | | 09/07/19 09:29 | 09/10/19 21:16 | 1 |

Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride | 92 | | 0.50 | | mg/L | | | 09/07/19 13:52 | 1 |
| Fluoride | 0.13 | | 0.10 | | mg/L | | | 09/07/19 20:02 | 1 |
| Sulfate | 19 | | 1.0 | | mg/L | | | 09/07/19 13:52 | 1 |

Method: 531.1 - Carbamate Pesticides (HPLC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|--------|-----|------|---|----------|----------------|---------|
| Aldicarb | ND | | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Aldicarb sulfone | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Aldicarb sulfoxide | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Carbaryl | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Carbofuran | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| 3-Hydroxycarbofuran | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Methomyl | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |
| Oxamyl | ND | * | 0.0025 | | mg/L | | | 09/11/19 02:30 | 1 |

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Iron | ND | | 0.050 | | mg/L | | 09/10/19 08:03 | 09/11/19 02:58 | 1 |
| Manganese | ND | | 0.010 | | mg/L | | 09/10/19 08:03 | 09/11/19 02:58 | 1 |
| Silver | ND | | 0.010 | | mg/L | | 09/10/19 08:03 | 09/11/19 02:58 | 1 |
| Sodium | 60.3 | | 1.0 | | mg/L | | 09/10/19 08:03 | 09/11/19 02:58 | 1 |

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NYSDOH PART 5, SUBPART 5-1

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Client Sample Results

Job ID: 680-173425-1

Client Sample ID: System Effluent

Lab Sample ID: 680-173425-1

Date Collected: 08/26/19 12:05

Matrix: Water

Date Received: 08/27/19 09:03

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Zinc | 0.045 | | 0.020 | | mg/L | | 09/10/19 08:03 | 09/11/19 02:58 | 1 |

Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| Antimony | ND | | 1.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Arsenic | ND | | 1.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Barium | 16.4 | | 2.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Beryllium | ND | | 0.40 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Cadmium | ND | | 0.50 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Chromium | ND | | 2.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Copper | 7.0 | | 5.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Lead | 1.6 | | 0.30 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Nickel | ND | | 5.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Selenium | ND | | 2.0 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |
| Thallium | ND | | 0.20 | | ug/L | | 09/10/19 08:03 | 09/11/19 01:03 | 1 |

Method: 245.1-1994 R3.0 - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.20 | | ug/L | | 08/28/19 16:23 | 08/29/19 13:08 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-------|-----|--------|---|----------------|----------------|---------|
| Cyanide, Total | ND | H | 0.010 | | mg/L | | 09/18/19 14:26 | 09/19/19 11:36 | 1 |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Turbidity | ND | H | 1.00 | | NTU | | | 08/30/19 09:10 | 1 |
| Color | ND | | 5.00 | | PCU | | | 08/27/19 13:01 | 1 |
| Odor at 60°C | ND | | 1.00 | | T.O.N. | | | 08/27/19 11:20 | 1 |

Client Sample ID: Trip Blank

Lab Sample ID: 680-173425-2

Date Collected: 08/26/19 00:00

Matrix: Water

Date Received: 08/27/19 09:03

Method: 524.2 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|---------|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Bromobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Bromomethane | ND | | 0.0010 | | mg/L | | | 09/06/19 14:08 | 1 |
| Carbon tetrachloride | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Chlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Chlorobromomethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Chloroethane | ND | | 0.0010 | | mg/L | | | 09/06/19 14:08 | 1 |
| Chloromethane | ND | * | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 2-Chlorotoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 4-Chlorotoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Dibromomethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |

Eurofins TestAmerica, Savannah

NYSDOH PART 5, SUBPART 5-1

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Client Sample Results

Job ID: 680-173425-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-173425-2

Date Collected: 08/26/19 00:00

Matrix: Water

Date Received: 08/27/19 09:03

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|---------|-----|------|---|----------|----------------|---------|
| Dichlorodifluoromethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1-Dichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2-Dichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2-Dichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,3-Dichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 2,2-Dichloropropane | ND * | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Ethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Hexachlorobutadiene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Isopropylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 4-Isopropyltoluene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Methylene Chloride | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Methyl tert-butyl ether | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| m-Xylene & p-Xylene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| n-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| N-Propylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| o-Xylene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| sec-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Styrene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| tert-Butylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Tetrachloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Toluene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Trichloroethene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Trichlorofluoromethane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Vinyl chloride | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Xylenes, Total | ND | | 0.00050 | | mg/L | | | 09/06/19 14:08 | 1 |
| Trihalomethanes, Total | ND | | 0.50 | | ug/L | | | 09/06/19 14:08 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 91 | | 70 - 130 | | 09/06/19 14:08 | 1 |
| 1,2-Dichlorobenzene-d4 | 101 | | 70 - 130 | | 09/06/19 14:08 | 1 |