



January 30, 2020

Crescent Mobile Home Park
 4100 Broad Street
 Sumter, SC 29154

Dear Resident:

South Carolina Department of Health and Environmental Control (SC DHEC) recently conducted an inspection and water sampling on the three water wells in Crescent Mobile Home Park.

In this packet you will find:

1. **Sanitary Survey Inspection Report:** A Sanitary Survey is an onsite review and inspection of an entire water system, including the water source, facilities, equipment, operation and maintenance. The overall rating for this inspection was **Satisfactory**.
2. **Sampling Results:** The Department conducted both compliance sampling and non-compliance sampling. Compliance sampling results are compared to Maximum Contaminant Levels (MCLs), which are standards set by U.S. EPA for drinking water. Non-compliance sampling results do not have a standard and are not regulated by U.S. EPA or SC DHEC.

All compliance sampling results for Crescent Mobile Home Park are in compliance with MCLs and meet all regulated drinking water standards.

Sampling for PFOA and PFOS, which is non-compliance sampling, and thus not regulated, was found to be above the EPA's Lifetime Health Advisory (LHA) of 70 parts per trillion (ppt). When both PFOA and PFOS are found in drinking water, the combined concentrations of PFOA and PFOS should be compared to the 70 ppt LHA. **Please Note: Advisories are non-enforceable and non-regulatory.**

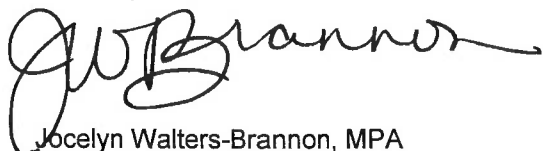
| Crescent Mobile Home Park PFOA and PFOS Results | January 6, 2020 | January 16, 2020 |
|---|-----------------|------------------|
| Well 1 - PFOA | 26 ppt | 27 ppt |
| Well 1 - PFOS | 54 ppt | 52 ppt |
| Well 2 - PFOA | 22 ppt | 21 ppt |
| Well 2 - PFOS | 67 ppt | 72 ppt** |
| Well 3 - PFOA | 15 ppt | 15 ppt |
| Well 3 - PFOS | 75 ppt** | 100 ppt** |

** Indicates sample result above EPA LHA

3. **Info Sheet on Per – and Polyfluoroalkyl Substance (PFAS):** This information is included for you so you can learn more about these substances as you make decisions about your drinking water.

If you have any questions about the information included here, please contact myself (contact info below) or the SC DHEC Regional Office in Sumter at (803) 778-6548. If you have questions for Shaw Air Force Base please contact Ben Roope at (843) 963-4020 or at benjamin.roope.2@us.af.mil

Sincerely,

A handwritten signature in black ink, appearing to read "JWBannon". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Jocelyn Walters-Brannon, MPA
Department of Health and Environmental Control
Public Participation Coordinator, Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201
Desk: 803.898.4096
walterjy@dhec.sc.gov



January 29, 2020

Mr. Steve Turvey Long
4100 Broad St.
Sumter, SC 29154

Re: Crescent MHP
Sanitary Survey (DHEC # 4360011)

Dear Mr. Long:

A sanitary survey was conducted on the above referenced water system on January 16 and January 22, 2020. Thanks to you and Johnny Bowen for your cooperation and assistance during the inspection.

The Crescent MHP system is a Community (Type C) water system. There are currently 100 active residential taps on the system that serve a population of 259. Water is provided by three wells. Well one, located near Lot #170, is a 4 inch diameter, 54 foot deep well that has a 1.5 horsepower submersible pump. Well two, located behind Lot #21, is a 4 inch diameter, 54 foot deep well that has a 1.5 horsepower submersible pump. Well three, located near Lot#78, is a 4 inch diameter, 54 foot deep well with a 1.5 horsepower submersible pump. Storage is provided by three bladder tanks.

When evaluated according to the State Primary Drinking Water Regulations (SPDWR), the Crescent MHP is rated "Satisfactory". Survey findings are listed below. Please provide a written response addressing the item below within 10 days of receipt of this letter.

1. The distribution operator requirement for Crescent Mobile Home Park is a level "D" operator certified by South Carolina Labor, Licensing and Regulation. Currently, the system does not have a certified distribution operator. The former owner of the park, Johnny Bowen, is serving in this capacity, but does not have a license thru SCLLR. You must have someone that is licensed within 10 days of receipt of this letter to maintain compliance.

Please e-mail brownpr@dhec.sc.gov or call (843)661-4825 if you have questions.

Sincerely,

Paula R. Brown
Drinking Water
Florence EA

Cc: Leigh Plummer, Director, Pee Dee EA, Florence & Sumter
Keith Lane, Sumter EA
Bureau of Water
File



Info Sheet

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Per- and Polyfluoroalkyl Substances (PFAS)

What are per- and polyfluoroalkyl substances (PFAS)?

Per- and polyfluoroalkyl substances (PFAS) are a large group of man-made chemicals that have been used worldwide in consumer products and in some industrial applications. They've been in use in the United States since the 1940s. PFAS chemicals are used to make products that resist heat, oil, stains, grease and water. The two most commonly produced and most studied PFAS chemicals are **perfluorooctanoic acid (PFOA)** and **perfluorooctane sulfonic acid (PFOS)**.

PFAS chemicals:

- Do not occur naturally yet are widespread in the environment because of their broad uses
- Are found in people, wildlife and fish world-wide
- Are stable and do not break down easily in the environment (they are persistent)
- Can build up in biological tissues (people, wildlife, fish) over time if exposure continues (they bioaccumulate)

Are PFAS chemicals harmful?

Human health effects from PFAS exposure are not completely understood. Studies have shown that long-term (lifetime) exposure to some PFAS chemicals may affect developmental stages (growth, learning, behavior) of infants and older children, lower a woman's chance of getting pregnant, disrupt the body's hormones, increase cholesterol, and may increase cancer risk. In 2016, the U.S. Environmental Protection Agency (EPA) issued a Lifetime Health Advisory for PFOA and PFOS in drinking water.

What is a Lifetime Health Advisory?

A Lifetime Health Advisory (LHA) is just that - an advisory. The LHA was established based on epidemiological studies. These studies indicate that exposure to PFOA and PFOS (the two most common PFAS chemicals) over certain levels may result in adverse health effects. The LHA for PFOA and/or PFOS is 70 parts per trillion (ppt). This LHA is protective of everyone, including

How can I be exposed to PFAS?

The most common exposure route is from swallowing food or water that contains PFAS. PFAS have been commonly used in the manufacturing of:

- nonstick cookware
- food packaging (ex: microwave popcorn bags, fast food wrappers, sliced cheese wrappers, pizza boxes)
- stain-resistant carpets and fabrics and water-resistant clothing
- paints, varnishes and sealants
- cosmetics
- dental floss
- fire-fighting foams

Exposure to PFAS chemicals via touching, contact with the skin, and inhalation are lesser human health concerns at this time.

pregnant and nursing women, young children and the elderly. Currently, the EPA has not set health advisory levels for the other PFAS chemicals.

A LHA is not a primary drinking water standard (also called a Maximum Contaminant Level, or MCL) under the Safe Drinking Water Act. **A LHA is not an enforceable regulatory standard.** Currently, EPA is evaluating whether an enforceable MCL for PFOA, PFOS or any other PFAS chemical should be developed.

How do PFAS chemicals get into drinking water?

PFAS chemicals can get into drinking water when products containing them are used or spilled onto the ground or into lakes and rivers. PFAS move easily through the ground, getting into groundwater that is used for some water supplies or for private drinking water wells. When spilled into lakes or rivers used as sources of drinking water, they can get into drinking water supplies. PFAS in the air can also end up in rivers and lakes used for drinking water.

What is DHEC doing about PFAS chemicals?

DHEC has developed a strategy for addressing PFAS chemicals in drinking water. DHEC's PFAS in Drinking Water strategy focuses on community water systems and on private wells that are located in areas that are potentially impacted by PFAS contamination. Sampling and analyses will begin in early 2020.

DHEC will also develop a strategy regarding PFAS in ambient surface waters (lakes, rivers, streams), including the assessment of fish tissue quality as a protective public health measure for fish consumption by our residents. The ambient water strategy is expected to be completed by mid-2020.

How can I reduce my exposure to PFAS?

Ingestion (swallowing) of food or water containing PFAS is the most common route of exposure. Because PFAS are present in so many different consumer products and throughout our environment, exposure to PFAS cannot be eliminated. However, some steps can be taken to reduce your exposure:

- Read consumer product labels and avoid using products with PFAS.
- Use an alternative or treated water source for drinking, food preparation, brushing teeth or preparing infant formula if your drinking water contains more than 70 ppt of total PFOA and PFOS.
 - Activated carbon filtration or reverse osmosis membranes effectively reduce PFOA and PFAS in drinking water.

Water with a PFAS level greater than the LHA can be used for bathing, showering, washing clothes and cleaning.

For more information, visit DHEC's webpage at www.scdhec.gov/PFAS or other resources below.

U.S. Environmental Protection Agency

- Basic Information about PFAS: www.epa.gov/pfas
- Drinking Water PFOA and PFAS Lifetime Health Advisory: www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos
- Technical Fact Sheet – PFOS and PFOA: www.epa.gov/sites/production/files/2017-12/documents/ffrrofactsheet_contaminants_pfos_pfoa_11-20-17_508_0.pdf

U.S. Agency for Toxic Substances and Disease Registry

- Frequently Asked Questions: www.atsdr.cdc.gov/pfas/

Crescent Mobile Home Park (MHP)

Public Water System

SC4360011

Three Active Groundwater Wells Serving the MHP

Well 1 (G43192) – Located on Lot 170

Well 2 (G43193) – Located behind Lot 21

Well 3 (G43194) – Located on Lot 78

Well 1 (G43192) – Located on Lot 170



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43192
Location Description: CRESCENT MHP
Matrix: WATER

Sample Type: CR
Additional Info:

Laboratory Sample Number: AE43048
Program Charge: DWT
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 10:55

Laboratory Sample Number: AE43048

| | Analyte | Result | Units | Method Reference |
|-----------------|-----------------|--------|-------|------------------|
| Nitrate Nitrite | Nitrate Nitrite | 3.9 | mg/L | LACHAT 10107041C |
| Nitrite | Nitrite | <0.020 | mg/L | LACHAT 10107051A |

Sample Comments:



**South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report**

Station Code: 4360011-G43192
 Location Description: CRESCENT MHP
 Matrix: WATER

Sample Type: CR
 Additional Info:

Laboratory Sample Number: AE43049
 Program Charge: DWT
 Collected By: GARRIS K
 Date of Collection: 01/16/2020
 Time of Collection: 10:55

Laboratory Sample Number: AE43049

| Analyte | Result | Units | Method Reference |
|---|-----------|-------|------------------|
| Aluminum in Water | 0.20 | mg/L | EPA 200.7 |
| Antimony by graphite furnace | <0.0030 | mg/L | EPA 200.9 |
| Arsenic by graphite furnace | <0.0050 | mg/L | EPA 200.9 |
| Barium in Water | 0.067 | mg/L | EPA 200.7 |
| Benzo(a)pyrene | <0.000020 | mg/L | EPA 550.1 |
| Beryllium in Water | <0.0010 | mg/L | EPA 200.7 |
| Calcium in Water | 1.6 | mg/L | EPA 200.7 |
| Carbamate Pesticides | | | |
| Aldicarb-sulfoxide | <0.00050 | mg/L | EPA 531.1 |
| Oxamyl | <0.0020 | mg/L | EPA 531.1 |
| Methomyl | <0.00050 | mg/L | EPA 531.1 |
| Carbofuran | <0.00090 | mg/L | EPA 531.1 |
| Aldicarb | <0.00050 | mg/L | EPA 531.1 |
| 3-Hydroxycarbofuran | <0.00050 | mg/L | EPA 531.1 |
| Carbaryl | <0.00050 | mg/L | EPA 531.1 |
| Aldicarb-sulfone | <0.00050 | mg/L | EPA 531.1 |
| Chlorinated Acid Herbicides and Dalapon | | | |
| Picloram | <0.000040 | mg/L | EPA 515.3 |
| 2,4,5-TP | <0.000040 | mg/L | EPA 515.3 |
| PCP | <0.000010 | mg/L | EPA 515.3 |
| Dicamba | <0.000040 | mg/L | EPA 515.3 |
| Dinoseb | <0.000080 | mg/L | EPA 515.3 |
| Dalapon | <0.0010 | mg/L | EPA 515.3 |
| 2,4-D | <0.00010 | mg/L | EPA 515.3 |
| Chromium in Water | <0.0050 | mg/L | EPA 200.7 |
| Copper in Water | <0.010 | mg/L | EPA 200.7 |
| Diquat | <0.00088 | mg/L | EPA 549.2 |
| Drinking Water Volatile Organics | | | |
| n-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| Hexachlorobutadiene | <0.000500 | mg/L | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| p-Isopropyltoluene | <0.000500 | mg/L | EPA 524.2 |

| | | | | | |
|---|-------------------------------|------------------------|-----------|------------------|------------------|
| Drinking Water Volatile Organics | sec-Butylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,2,3-Trichloropropane | <0.000500 | mg/L | EPA 524.2 | |
| | tert-Butylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,3,5-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 4-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 | |
| | 2-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 | |
| | m,p-Xylenes | <0.00100 | mg/L | EPA 524.2 | |
| | n-Propylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,3-Dichloropropane | <0.000500 | mg/L | EPA 524.2 | |
| | Methyl tert-Butyl Ether | <0.000500 | mg/L | EPA 524.2 | |
| | 1,2,3-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Bromobenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,3-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Trichloroethylene | <0.000500 | mg/L | EPA 524.2 | |
| | Styrene | <0.000500 | mg/L | EPA 524.2 | |
| | 2,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 | |
| | cis-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 | |
| | Bromochloromethane | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1,1-Trichloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1-Dichloropropene | <0.000500 | mg/L | EPA 524.2 | |
| | Carbon tetrachloride | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1-Dichloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | 1,2-Dichloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | trans-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 | |
| | Dibromomethane | <0.000500 | mg/L | EPA 524.2 | |
| | cis-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 | |
| | Toluene | <0.000500 | mg/L | EPA 524.2 | |
| | trans-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1,2-Trichloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | Tetrachloroethene | <0.000500 | mg/L | EPA 524.2 | |
| | Benzene | <0.000500 | mg/L | EPA 524.2 | |
| | Chloromethane | <0.000500 | mg/L | EPA 524.2 | |
| | Isopropylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Napthalene | <0.000500 | mg/L | EPA 524.2 | |
| | o-Xylene | <0.000500 | mg/L | EPA 524.2 | |
| | Ethylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1,1,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | Chlorobenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Dichlorodifluoromethane | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1,2,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | Vinyl Chloride | <0.000500 | mg/L | EPA 524.2 | |
| | Bromomethane | <0.000500 | mg/L | EPA 524.2 | |
| | Chloroethane | <0.000500 | mg/L | EPA 524.2 | |
| | Trichlorofluoromethane | <0.000500 | mg/L | EPA 524.2 | |
| | 1,1-Dichloroethylene | <0.000500 | mg/L | EPA 524.2 | |
| | Methylene chloride | <0.000500 | mg/L | EPA 524.2 | |
| | EDB/DBCP | EDB | <0.000020 | mg/L | EPA 504.1 |
| | | DBCP | <0.000020 | mg/L | EPA 504.1 |
| | Fluoride | Fluoride | <0.10 | mg/L | LACHAT 10109122A |
| | Glyphosate | Glyphosate | <0.0060 | mg/L | EPA 547 |
| | Hardness | Hardness | 8.9 | mg/L | EPA 200.7 |
| | Iron in Water | Iron in Water | <0.020 | mg/L | EPA 200.7 |
| | Lead in drinking water | Lead in drinking water | <0.0020 | mg/L | EPA 200.9 |
| Magnesium in Water | Magnesium in Water | 1.2 | mg/L | EPA 200.7 | |
| Manganese in Water | Manganese in Water | 0.027 | mg/L | EPA 200.7 | |
| Mercury in Water | Mercury in Water | <0.00020 | mg/L | SM3112 B 22nd Ed | |
| Nickel in Water | Nickel in Water | <0.020 | mg/L | EPA 200.7 | |
| PCBs and Toxaphene | Toxaphene | <0.0010 | mg/L | EPA 508 | |
| | PCB 1016 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1260 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1254 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1248 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1242 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1232 | <0.00010 | mg/L | EPA 508 | |
| | PCB 1221 | <0.00010 | mg/L | EPA 508 | |
| Pesticides/Semi-Volatiles | Heptachlor | <0.000080 | mg/L | EPA 525.2 | |
| | Heptachlor epoxide | <0.00010 | mg/L | EPA 525.2 | |
| | Methoxychlor | <0.0080 | mg/L | EPA 525.2 | |
| | Di (2-ethylhexyl) phthalate | <0.00060 | mg/L | EPA 525.2 | |
| | Technical chlordane | <0.00040 | mg/L | EPA 525.2 | |
| | Hexachlorocyclopentadiene | <0.00022 | mg/L | EPA 525.2 | |

| | | | | | |
|-------------------------------------|-------------------------------------|------------------------------|---------|-----------|-----------|
| Pesticides/Semi-Volatiles | Metribuzin | <0.00020 | mg/L | EPA 525.2 | |
| | Endrin | <0.00022 | mg/L | EPA 525.2 | |
| | Di (2-ethylhexyl) adipate | <0.00060 | mg/L | EPA 525.2 | |
| | Butachlor | <0.00010 | mg/L | EPA 525.2 | |
| | Aldrin | <0.00010 | mg/L | EPA 525.2 | |
| | Metolachlor | <0.00010 | mg/L | EPA 525.2 | |
| | Propachlor | <0.00010 | mg/L | EPA 525.2 | |
| | Alachlor | <0.00040 | mg/L | EPA 525.2 | |
| | Lindane | <0.00010 | mg/L | EPA 525.2 | |
| | Atrazine | <0.00022 | mg/L | EPA 525.2 | |
| | Simazine | <0.00015 | mg/L | EPA 525.2 | |
| | Hexachlorobenzene | <0.00020 | mg/L | EPA 525.2 | |
| | Dieldrin | <0.00010 | mg/L | EPA 525.2 | |
| | Selenium by graphite furnace | Selenium by graphite furnace | <0.0020 | mg/L | EPA 200.9 |
| | Silver in Water | Silver in Water | <0.030 | mg/L | EPA 200.7 |
| Sodium in Water | Sodium in Water | 7.8 | mg/L | EPA 200.7 | |
| Thallium by graphite furnace | Thallium by graphite furnace | <0.00050 | mg/L | EPA 200.9 | |
| Zinc in Water | Zinc in Water | 0.024 | mg/L | EPA 200.7 | |

Sample Comments: Analytical problem for Cadmium



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011
Location Description: CRESCENT MHP-Well #1
Matrix: WATER

Laboratory Sample Number: AE43184
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 10:55

Sample Type: IN
Additional Info:

Laboratory Sample Number: AE43184

| | Analyte | Result | Units | Method Reference |
|-------------------------|-------------------------|--------|-------|------------------|
| Ecoli in Drinking Water | Ecoli in Drinking Water | ABSENT | | SM 9223B |
| Total Coliform - DST | Total Coliform - DST | ABSENT | | SM 9223B |

Sample Comments:



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43192
Location Description: CRESCENT MHP
Matrix: WATER

Laboratory Sample Number: AE43051
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 10:55

Sample Type:
Additional Info:

Laboratory Sample Number: AE43051

| | Analyte | Result | Units | Method Reference |
|----------------------------|----------------------------|--------|---------------------------|------------------|
| Alkalinity | Alkalinity | 1.0 | mg/L of CaCO ₃ | SM 2320B |
| Ammonia | Ammonia | <0.050 | mg/L | LACHAT 10107065J |
| Apparent Color | Apparent Color | <5 | CU | SM 2120B COLOR |
| Chloride | Chloride | 8.6 | mg/L | LACHAT 10117071B |
| Sulfate, Ion Chromatograph | Sulfate, Ion Chromatograph | <5.0 | mg/L | EPA 300.1 |
| Total Dissolved Solids | Total Dissolved Solids | 53 | mg/L | SM 2540C |
| Total Organic Carbon | Total Organic Carbon | <1.0 | mg/L | SM 5310B |
| Total Phosphorus in Water | Total Phosphorus in Water | <0.020 | mg/L | LACHAT 10115011E |
| Total Solids | Total Solids | 49 | mg/L | SM 2540B |
| Turbidity | Turbidity | <0.5 | NTU | EPA 180.1 |

Sample Comments: NH₃-W, TP-W and TS are non-regulatory parameters and are for informational purposes only, not for compliance.

Client: synTerra

Laboratory ID: VA06034-001

Description: G43192-LOT170

Matrix: Aqueous

Date Sampled: 01/06/2020 1105

Date Received: 01/06/2020

PFAS by LC/MS/MS

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch | | |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|--|--|
| 1 | 537 | 537 | 1 | 01/08/2020 1709 | MMM | 01/07/2020 1120 | 41074 | | |
| 2 | 537 | 537 | 5 | 01/10/2020 1202 | MMM | 01/07/2020 1120 | 41074 | | |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------|-------------------|--------|---|------|------|-------|-----|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537 | 15 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537 | 29 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537 | 0.57 | J | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537 | 8.9 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537 | 12 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537 | 2.6 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537 | 26 | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTTrDA) | 72629-94-8 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537 | ND | | 0.95 | 0.19 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537 | 54 | | 4.8 | 0.95 | ng/L | 2 |

| Surrogate | Run 1 | | Run 2 | |
|------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_PFHxA | | 99 | | 107 |
| 13C6_PFDA | | 111 | | 102 |
| d5-EtFOSAA | | 99 | | 82 |

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

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

PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: SC DHEC | Laboratory ID: VA16090-007 |
| Description: G43192-Lot 170 | Matrix: Aqueous |
| Date Sampled: 01/16/2020 1051 | |
| Date Received: 01/16/2020 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 537.1 | 537.1 | 1 | 01/20/2020 2238 | MMM | 01/19/2020 1249 | 42255 |
| 2 | 537.1 | 537.1 | 5 | 01/21/2020 1542 | MMM | 01/19/2020 1249 | 42255 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------------|-------------------|------------|---|------------|-------------|-------------|----------|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537.1 | ND | | 1.8 | 0.35 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537.1 | ND | | 1.8 | 0.44 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537.1 | 15 | | 1.8 | 0.35 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537.1 | 29 | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537.1 | ND | | 1.8 | 0.71 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537.1 | ND | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537.1 | 9.0 | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537.1 | 11 | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537.1 | 2.7 | | 1.8 | 0.71 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537.1 | 27 | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537.1 | ND | | 1.8 | 0.35 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | 537.1 | ND | | 1.8 | 0.44 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537.1 | ND | | 1.8 | 0.71 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537.1 | 52 | | 8.8 | 1.8 | ng/L | 2 |

| Surrogate | Run 1 | | Run 2 | |
|--------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_PFHxA | | 87 | | 88 |
| 13C3-HFPO-DA | | 94 | | 97 |
| 13C6_PFDA | | 112 | | 95 |
| d5-EtFOSAA | | 93 | | 79 |

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

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Well 2 (G43193) – Located behind Lot 21



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43193
Location Description: CRESCENT MHP
Matrix: WATER

Sample Type: CR
Additional Info:

Laboratory Sample Number: AE43052
Program Charge: DWT
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 11:40

Laboratory Sample Number: AE43052

| | Analyte | Result | Units | Method Reference |
|-----------------|-----------------|--------|-------|------------------|
| Nitrate Nitrite | Nitrate Nitrite | 6.1 | mg/L | LACHAT 10107041C |
| Nitrite | Nitrite | <0.020 | mg/L | LACHAT 10107051A |

Sample Comments:



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43193
Location Description: CRESCENT MHP
Matrix: WATER

Sample Type: CR
Additional Info:

Laboratory Sample Number: AE43053
Program Charge: DWT
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 11:40

Laboratory Sample Number: AE43053

| | Analyte | Result | Units | Method Reference |
|--|------------------------------|-----------|-------|------------------|
| Aluminum in Water | Aluminum in Water | 0.44 | mg/L | EPA 200.7 |
| Antimony by graphite furnace | Antimony by graphite furnace | <0.0030 | mg/L | EPA 200.9 |
| Arsenic by graphite furnace | Arsenic by graphite furnace | <0.0050 | mg/L | EPA 200.9 |
| Barium in Water | Barium in Water | 0.055 | mg/L | EPA 200.7 |
| Benzo(a)pyrene | Benzo(a)pyrene | <0.000020 | mg/L | EPA 550.1 |
| Beryllium in Water | Beryllium in Water | <0.0010 | mg/L | EPA 200.7 |
| Calcium in Water | Calcium in Water | 1.7 | mg/L | EPA 200.7 |
| Carbamate Pesticides | Oxamyl | <0.0020 | mg/L | EPA 531.1 |
| | Aldicarb/sulfone | <0.00050 | mg/L | EPA 531.1 |
| | 3-Hydroxycarbofuran | <0.00050 | mg/L | EPA 531.1 |
| | Aldicarb | <0.00050 | mg/L | EPA 531.1 |
| | Carbofuran | <0.00090 | mg/L | EPA 531.1 |
| | Carbaryl | <0.00050 | mg/L | EPA 531.1 |
| | Aldicarb/sulfoxide | <0.00050 | mg/L | EPA 531.1 |
| | Methomyl | <0.00050 | mg/L | EPA 531.1 |
| Chlorinated Acid Herbicides and Dalapon | Picloram | <0.000040 | mg/L | EPA 515.3 |
| | Dicamba | <0.000040 | mg/L | EPA 515.3 |
| | 2,4-D | <0.00010 | mg/L | EPA 515.3 |
| | PCP | <0.000010 | mg/L | EPA 515.3 |
| | 2,4,5-TP | <0.000040 | mg/L | EPA 515.3 |
| | Dinoseb | <0.000080 | mg/L | EPA 515.3 |
| | Dalapon | <0.0010 | mg/L | EPA 515.3 |
| Chromium in Water | Chromium in Water | <0.0050 | mg/L | EPA 200.7 |
| Copper in Water | Copper in Water | <0.010 | mg/L | EPA 200.7 |
| Diquat | Diquat | <0.00088 | mg/L | EPA 549.2 |
| Drinking Water Volatile Organics | Carbon tetrachloride | <0.000500 | mg/L | EPA 524.2 |
| | Toluene | <0.000500 | mg/L | EPA 524.2 |
| | cis-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloroethylene | <0.000500 | mg/L | EPA 524.2 |
| | Dibromomethane | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | Trichloroethylene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichloroethane | <0.000500 | mg/L | EPA 524.2 |

| | | | | |
|---|---------------------------|-----------|------|------------------|
| Drinking Water Volatile Organics | Benzene | <0.000500 | mg/L | EPA 524.2 |
| | Dichlorodifluoromethane | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,1-Trichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Bromochloromethane | <0.000500 | mg/L | EPA 524.2 |
| | cis-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 |
| | 2,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Methylene chloride | <0.000500 | mg/L | EPA 524.2 |
| | Trichlorofluoromethane | <0.000500 | mg/L | EPA 524.2 |
| | Chloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Bromomethane | <0.000500 | mg/L | EPA 524.2 |
| | trans-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | Chloromethane | <0.000500 | mg/L | EPA 524.2 |
| | trans-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 |
| | 4-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 |
| | 1,3-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | Chlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,1,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Ethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | m,p-Xylenes | <0.00100 | mg/L | EPA 524.2 |
| | o-Xylene | <0.000500 | mg/L | EPA 524.2 |
| | Styrene | <0.000500 | mg/L | EPA 524.2 |
| | Isopropylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,2,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Bromobenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,3-Trichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | Tetrachloroethene | <0.000500 | mg/L | EPA 524.2 |
| | 2-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 |
| | tert-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,3,5-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,4-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,3-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | p-Isopropyltoluene | <0.000500 | mg/L | EPA 524.2 |
| | 1,4-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | n-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | Methyl tert-Butyl Ether | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,3-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | Napthalene | <0.000500 | mg/L | EPA 524.2 |
| | Hexachlorobutadiene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,4-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | n-Propylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | sec-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | Vinyl Chloride | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,2-Trichloroethane | <0.000500 | mg/L | EPA 524.2 |
| EDB/DBCP | DBCP | <0.000020 | mg/L | EPA 504.1 |
| | EDB | <0.000020 | mg/L | EPA 504.1 |
| Fluoride | Fluoride | <0.10 | mg/L | LACHAT 10109122A |
| Glyphosate | Glyphosate | <0.0060 | mg/L | EPA 547 |
| Hardness | Hardness | 9.2 | mg/L | EPA 200.7 |
| Iron in Water | Iron in Water | <0.020 | mg/L | EPA 200.7 |
| Lead in drinking water | Lead in drinking water | <0.0020 | mg/L | EPA 200.9 |
| Magnesium in Water | Magnesium in Water | 1.2 | mg/L | EPA 200.7 |
| Manganese in Water | Manganese in Water | 0.032 | mg/L | EPA 200.7 |
| Mercury in Water | Mercury in Water | <0.00020 | mg/L | SM3112 B 22nd Ed |
| Nickel in Water | Nickel in Water | <0.020 | mg/L | EPA 200.7 |
| PCBs and Toxaphene | PCB 1221 | <0.00010 | mg/L | EPA 508 |
| | PCB 1232 | <0.00010 | mg/L | EPA 508 |
| | PCB 1242 | <0.00010 | mg/L | EPA 508 |
| | PCB 1248 | <0.00010 | mg/L | EPA 508 |
| | PCB 1254 | <0.00010 | mg/L | EPA 508 |
| | PCB 1260 | <0.00010 | mg/L | EPA 508 |
| | Toxaphene | <0.0010 | mg/L | EPA 508 |
| | PCB 1016 | <0.00010 | mg/L | EPA 508 |
| Pesticides/Semi-Volatiles | Aldrin | <0.00010 | mg/L | EPA 525.2 |
| | Propachlor | <0.00010 | mg/L | EPA 525.2 |
| | Hexachlorobenzene | <0.00020 | mg/L | EPA 525.2 |
| | Simazine | <0.00015 | mg/L | EPA 525.2 |
| | Atrazine | <0.00022 | mg/L | EPA 525.2 |
| | Lindane | <0.00010 | mg/L | EPA 525.2 |
| | Metribuzin | <0.00020 | mg/L | EPA 525.2 |

| | | | | | |
|-------------------------------------|-------------------------------------|------------------------------|---------|-----------|-----------|
| Pesticides/Semi-Volatiles | Alachlor | <0.00040 | mg/L | EPA 525.2 | |
| | Hexachlorocyclopentadiene | <0.00022 | mg/L | EPA 525.2 | |
| | Metolachlor | <0.00010 | mg/L | EPA 525.2 | |
| | Heptachlor epoxide | <0.00010 | mg/L | EPA 525.2 | |
| | Butachlor | <0.00010 | mg/L | EPA 525.2 | |
| | Dieldrin | <0.00010 | mg/L | EPA 525.2 | |
| | Endrin | <0.00022 | mg/L | EPA 525.2 | |
| | Di (2-ethylhexyl) adipate | <0.00060 | mg/L | EPA 525.2 | |
| | Di (2-ethylhexyl) phthalate | <0.00060 | mg/L | EPA 525.2 | |
| | Technical chlordane | <0.00040 | mg/L | EPA 525.2 | |
| | Heptachlor | <0.000080 | mg/L | EPA 525.2 | |
| | Methoxychlor | <0.0080 | mg/L | EPA 525.2 | |
| | Selenium by graphite furnace | Selenium by graphite furnace | <0.0020 | mg/L | EPA 200.9 |
| | Silver in Water | Silver in Water | <0.030 | mg/L | EPA 200.7 |
| Sodium in Water | Sodium in Water | 8.9 | mg/L | EPA 200.7 | |
| Thallium by graphite furnace | Thallium by graphite furnace | <0.00050 | mg/L | EPA 200.9 | |
| Zinc in Water | Zinc in Water | 0.030 | mg/L | EPA 200.7 | |

Sample Comments: Analytical problem for Cadmium



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011
Location Description: CRESCENT MHP-Well #2
Matrix: WATER

Sample Type: IN
Additional Info:

Laboratory Sample Number: AE43185
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 11:40

Laboratory Sample Number: AE43185

| | Analyte | Result | Units | Method Reference |
|-------------------------|-------------------------|--------|-------|------------------|
| Ecoli in Drinking Water | Ecoli in Drinking Water | ABSENT | | SM 9223B |
| Total Coliform - DST | Total Coliform - DST | ABSENT | | SM 9223B |

Sample Comments:



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43193
Location Description: CRESCENT MHP
Matrix: WATER

Laboratory Sample Number: AE43055
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 11:40

Sample Type:
Additional Info:

Laboratory Sample Number: AE43055

| | Analyte | Result | Units | Method Reference |
|----------------------------|----------------------------|--------|---------------------------|------------------|
| Alkalinity | Alkalinity | 0.0 | mg/L of CaCO ₃ | SM 2320B |
| Ammonia | Ammonia | <0.050 | mg/L | LACHAT 10107065J |
| Apparent Color | Apparent Color | <5 | CU | SM 2120B COLOR |
| Chloride | Chloride | 8.2 | mg/L | LACHAT 10117071B |
| Sulfate, Ion Chromatograph | Sulfate, Ion Chromatograph | <5.0 | mg/L | EPA 300.1 |
| Total Dissolved Solids | Total Dissolved Solids | 57 | mg/L | SM 2540C |
| Total Organic Carbon | Total Organic Carbon | <1.0 | mg/L | SM 5310B |
| Total Phosphorus in Water | Total Phosphorus in Water | <0.020 | mg/L | LACHAT 10115011E |
| Total Solids | Total Solids | 62 | mg/L | SM 2540B |
| Turbidity | Turbidity | <0.5 | NTU | EPA 180.1 |

Sample Comments: NH₃-W, TP-W and TS are non-regulatory parameters and are for informational purposes only, not for compliance.

Client: synTerra

Laboratory ID: VA06034-002

Description: G43193-LOT21

Matrix: Aqueous

Date Sampled: 01/06/2020 1132

Date Received: 01/06/2020

PFAS by LC/MS/MS

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 537 | 537 | 1 | 01/08/2020 1719 | MMM | 01/07/2020 1120 | 41074 |
| 2 | 537 | 537 | 5 | 01/10/2020 1212 | MMM | 01/07/2020 1120 | 41074 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------|-------------------|--------|---|------|------|-------|-----|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537 | 17 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537 | 42 | | 4.5 | 0.91 | ng/L | 2 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537 | 0.41 | J | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537 | 11 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537 | 17 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537 | 1.9 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537 | 22 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537 | 67 | | 4.5 | 0.91 | ng/L | 2 |

| Surrogate | Run 1 | | Run 2 | |
|------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_PFHxA | | 96 | | 103 |
| 13C6_PFDA | | 109 | | 95 |
| d5-EtFOSAA | | 79 | | 83 |

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

PFAS by LC/MS/MS

Client: **SC DHEC**

Laboratory ID: **VA16090-008**

Description: **G43193 Lot 21**

Matrix: **Aqueous**

Date Sampled: **01/16/2020 1137**

Date Received: **01/16/2020**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 537.1 | 537.1 | 1 | 01/20/2020 2248 | MMM | 01/19/2020 1249 | 42255 |
| 2 | 537.1 | 537.1 | 5 | 01/23/2020 0142 | MMM | 01/19/2020 1249 | 42255 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------------|-------------------|------------|---|------------|-------------|-------------|----------|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537.1 | ND | | 1.8 | 0.37 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537.1 | ND | | 1.8 | 0.46 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537.1 | 15 | | 1.8 | 0.37 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537.1 | 42 | | 9.2 | 1.8 | ng/L | 2 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537.1 | ND | | 1.8 | 0.74 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537.1 | ND | | 1.8 | 0.37 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537.1 | 12 | | 1.8 | 0.37 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537.1 | 14 | | 1.8 | 0.37 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537.1 | 1.8 | | 1.8 | 0.74 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537.1 | 21 | | 1.8 | 0.37 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537.1 | ND | | 1.8 | 0.37 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | 537.1 | ND | | 1.8 | 0.46 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537.1 | ND | | 1.8 | 0.74 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537.1 | 72 | | 9.2 | 1.8 | ng/L | 2 |

| Surrogate | Run 1 | | Run 2 | |
|--------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2-PFHxA | | 80 | | 104 |
| 13C3-HFPO-DA | | 95 | | 130 |
| 13C6-PFDA | | 104 | | 102 |
| d5-EtFOSAA | | 79 | | 77 |

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

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

Well 3 (G43194) – Located on Lot 78



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43194
Location Description: CRESCENT MHP
Matrix: WATER

Sample Type: CR
Additional Info:

Laboratory Sample Number: AE43056
Program Charge: DWT
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 12:35

Laboratory Sample Number: AE43056

| | Analyte | Result | Units | Method Reference |
|-----------------|-----------------|--------|-------|------------------|
| Nitrate Nitrite | Nitrate Nitrite | 3.9 | mg/L | LACHAT 10107041C |
| Nitrite | Nitrite | <0.020 | mg/L | LACHAT 10107051A |

Sample Comments:



**South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report**

Station Code: 4360011-G43194
 Location Description: CRESCENT MHP
 Matrix: WATER

Laboratory Sample Number: AE43057
 Program Charge: DWT
 Collected By: GARRIS K
 Date of Collection: 01/16/2020
 Time of Collection: 12:35

Sample Type: CR
 Additional Info:

Laboratory Sample Number: AE43057

| Analyte | Result | Units | Method Reference | | |
|---|--|-----------|------------------|-----------|-----------|
| Aluminum in Water | Aluminum in Water | 0.20 | mg/L | EPA 200.7 | |
| Antimony by graphite furnace | Antimony by graphite furnace | <0.0030 | mg/L | EPA 200.9 | |
| Arsenic by graphite furnace | Arsenic by graphite furnace | <0.0050 | mg/L | EPA 200.9 | |
| Barium in Water | Barium in Water | <0.050 | mg/L | EPA 200.7 | |
| Benzo(a)pyrene | Benzo(a)pyrene | <0.000020 | mg/L | EPA 550.1 | |
| Beryllium in Water | Beryllium in Water | <0.0010 | mg/L | EPA 200.7 | |
| Calcium in Water | Calcium in Water | 0.41 | mg/L | EPA 200.7 | |
| Carbamate Pesticides | Carbofuran | <0.00090 | mg/L | EPA 531.1 | |
| | Aldicarb | <0.00050 | mg/L | EPA 531.1 | |
| | 3-Hydroxycarbofuran | <0.00050 | mg/L | EPA 531.1 | |
| | Methomyl | <0.00050 | mg/L | EPA 531.1 | |
| | Aldicarb-sulfoxide | <0.00050 | mg/L | EPA 531.1 | |
| | Oxamyl | <0.0020 | mg/L | EPA 531.1 | |
| | Aldicarb-sulfone | <0.00050 | mg/L | EPA 531.1 | |
| | Carbaryl | <0.00050 | mg/L | EPA 531.1 | |
| | Chlorinated Acid Herbicides and Dalapon | Dalapon | <0.0010 | mg/L | EPA 515.3 |
| | | Picloram | <0.000040 | mg/L | EPA 515.3 |
| Dicamba | | <0.000040 | mg/L | EPA 515.3 | |
| Dinoseb | | <0.000080 | mg/L | EPA 515.3 | |
| 2,4-D | | <0.00010 | mg/L | EPA 515.3 | |
| PCP | | <0.000010 | mg/L | EPA 515.3 | |
| 2,4,5-TP | | <0.000040 | mg/L | EPA 515.3 | |
| Chromium in Water | Chromium in Water | <0.0050 | mg/L | EPA 200.7 | |
| Copper in Water | Copper in Water | <0.010 | mg/L | EPA 200.7 | |
| Diquat | Diquat | <0.00088 | mg/L | EPA 549.2 | |
| Drinking Water Volatile Organics | n-Propylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,2,3-Trichloropropane | <0.000500 | mg/L | EPA 524.2 | |
| | 2-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 | |
| | sec-Butylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Bromobenzene | <0.000500 | mg/L | EPA 524.2 | |
| | 1,3,5-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 | |
| | Dichlorodifluoromethane | <0.000500 | mg/L | EPA 524.2 | |
| | Chloromethane | <0.000500 | mg/L | EPA 524.2 | |

Drinking Water Volatile Organics

| | | | | |
|----------------------------------|---------------------------|-----------|------|------------------|
| | Vinyl Chloride | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,2,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Bromomethane | <0.000500 | mg/L | EPA 524.2 |
| | 4-Chlorotoluene | <0.000500 | mg/L | EPA 524.2 |
| | Isopropylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,4-Trimethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,3-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | p-Isopropyltoluene | <0.000500 | mg/L | EPA 524.2 |
| | 1,4-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | Methyl tert-Butyl Ether | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,3-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | Napthalene | <0.000500 | mg/L | EPA 524.2 |
| | Hexachlorobutadiene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2,4-Trichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | n-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | tert-Butylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | 2,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | Trichloroethylene | <0.000500 | mg/L | EPA 524.2 |
| | 1,2-Dichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Benzene | <0.000500 | mg/L | EPA 524.2 |
| | Styrene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | Dibromomethane | <0.000500 | mg/L | EPA 524.2 |
| | cis-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 |
| | Carbon tetrachloride | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | trans-1,2-Dichloroethene | <0.000500 | mg/L | EPA 524.2 |
| | Methylene chloride | <0.000500 | mg/L | EPA 524.2 |
| | 1,1-Dichloroethylene | <0.000500 | mg/L | EPA 524.2 |
| | Trichlorofluoromethane | <0.000500 | mg/L | EPA 524.2 |
| | Chloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Bromochloromethane | <0.000500 | mg/L | EPA 524.2 |
| | Ethylbenzene | <0.000500 | mg/L | EPA 524.2 |
| | cis-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | 1,3-Dichloropropane | <0.000500 | mg/L | EPA 524.2 |
| | Chlorobenzene | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,1,2-Tetrachloroethane | <0.000500 | mg/L | EPA 524.2 |
| | 1,1,1-Trichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | Tetrachloroethene | <0.000500 | mg/L | EPA 524.2 |
| | m,p-Xylenes | <0.00100 | mg/L | EPA 524.2 |
| | 1,1,2-Trichloroethane | <0.000500 | mg/L | EPA 524.2 |
| | o-Xylene | <0.000500 | mg/L | EPA 524.2 |
| | trans-1,3-Dichloropropene | <0.000500 | mg/L | EPA 524.2 |
| | Toluene | <0.000500 | mg/L | EPA 524.2 |
| EDB/DBCP | EDB | <0.000020 | mg/L | EPA 504.1 |
| | DBCP | <0.000020 | mg/L | EPA 504.1 |
| Fluoride | Fluoride | 0.24 | mg/L | LACHAT 10109122A |
| Glyphosate | Glyphosate | <0.0060 | mg/L | EPA 547 |
| Hardness | Hardness | 6.0 | mg/L | EPA 200.7 |
| Iron in Water | Iron in Water | <0.020 | mg/L | EPA 200.7 |
| Lead in drinking water | Lead in drinking water | <0.0020 | mg/L | EPA 200.9 |
| Magnesium in Water | Magnesium in Water | 1.2 | mg/L | EPA 200.7 |
| Manganese in Water | Manganese in Water | 0.016 | mg/L | EPA 200.7 |
| Mercury in Water | Mercury in Water | <0.00020 | mg/L | SM3112 B 22nd Ed |
| Nickel in Water | Nickel in Water | <0.020 | mg/L | EPA 200.7 |
| PCBs and Toxaphene | PCB 1016 | <0.00010 | mg/L | EPA 508 |
| | PCB 1221 | <0.00010 | mg/L | EPA 508 |
| | Toxaphene | <0.0010 | mg/L | EPA 508 |
| | PCB 1260 | <0.00010 | mg/L | EPA 508 |
| | PCB 1254 | <0.00010 | mg/L | EPA 508 |
| | PCB 1248 | <0.00010 | mg/L | EPA 508 |
| | PCB 1242 | <0.00010 | mg/L | EPA 508 |
| | PCB 1232 | <0.00010 | mg/L | EPA 508 |
| Pesticides/Semi-Volatiles | Aldrin | <0.00010 | mg/L | EPA 525.2 |
| | Hexachlorocyclopentadiene | <0.00022 | mg/L | EPA 525.2 |
| | Propachlor | <0.00010 | mg/L | EPA 525.2 |
| | Hexachlorobenzene | <0.00020 | mg/L | EPA 525.2 |
| | Simazine | <0.00015 | mg/L | EPA 525.2 |
| | Atrazine | <0.00022 | mg/L | EPA 525.2 |
| | Lindane | <0.00010 | mg/L | EPA 525.2 |

| | | | | |
|-------------------------------------|-------------------------------------|------------------------------|---------|-----------|
| Pesticides/Semi-Volatiles | Metribuzin | <0.00020 | mg/L | EPA 525.2 |
| | Alachlor | <0.00040 | mg/L | EPA 525.2 |
| | Metolachlor | <0.00010 | mg/L | EPA 525.2 |
| | Heptachlor epoxide | <0.00010 | mg/L | EPA 525.2 |
| | Butachlor | <0.00010 | mg/L | EPA 525.2 |
| | Dieldrin | <0.00010 | mg/L | EPA 525.2 |
| | Endrin | <0.00022 | mg/L | EPA 525.2 |
| | Di (2-ethylhexyl) adipate | <0.00060 | mg/L | EPA 525.2 |
| | Methoxychlor | <0.0080 | mg/L | EPA 525.2 |
| | Di (2-ethylhexyl) phthalate | <0.00060 | mg/L | EPA 525.2 |
| | Technical chlordane | <0.00040 | mg/L | EPA 525.2 |
| | Heptachlor | <0.000080 | mg/L | EPA 525.2 |
| | Selenium by graphite furnace | Selenium by graphite furnace | <0.0020 | mg/L |
| Silver in Water | Silver in Water | <0.030 | mg/L | EPA 200.7 |
| Sodium in Water | Sodium in Water | 5.2 | mg/L | EPA 200.7 |
| Thallium by graphite furnace | Thallium by graphite furnace | <0.00050 | mg/L | EPA 200.9 |
| Zinc in Water | Zinc in Water | <0.010 | mg/L | EPA 200.7 |

Sample Comments: Analytical problem for Cadmium



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011
Location Description: CRESCENT MHP-Well #3
Matrix: WATER

Sample Type: IN
Additional Info:

Laboratory Sample Number: AE43186
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 12:35

Laboratory Sample Number: AE43186

| | Analyte | Result | Units | Method Reference |
|-------------------------|-------------------------|--------|-------|------------------|
| Ecoli in Drinking Water | Ecoli in Drinking Water | ABSENT | | SM 9223B |
| Total Coliform - DST | Total Coliform - DST | ABSENT | | SM 9223B |

Sample Comments:



South Carolina Department of Health and Environmental Control
Analytical & Radiological Environmental
Services Division - Laboratory Report

Station Code: 4360011-G43194
Location Description: CRESCENT MHP
Matrix: WATER

Sample Type:
Additional Info:

Laboratory Sample Number: AE43059
Program Charge: WSP
Collected By: GARRIS K
Date of Collection: 01/16/2020
Time of Collection: 12:35

Laboratory Sample Number: AE43059

| | Analyte | Result | Units | Method Reference |
|----------------------------|----------------------------|--------|---------------------------|------------------|
| Alkalinity | Alkalinity | 1.0 | mg/L of CaCO ₃ | SM 2320B |
| Ammonia | Ammonia | <0.050 | mg/L | LACHAT 10107065J |
| Apparent Color | Apparent Color | <5 | CU | SM 2120B COLOR |
| Chloride | Chloride | 4.7 | mg/L | LACHAT 10117071B |
| Sulfate, Ion Chromatograph | Sulfate, Ion Chromatograph | <5.0 | mg/L | EPA 300.1 |
| Total Dissolved Solids | Total Dissolved Solids | 42 | mg/L | SM 2540C |
| Total Organic Carbon | Total Organic Carbon | <1.0 | mg/L | SM 5310B |
| Total Phosphorus in Water | Total Phosphorus in Water | <0.020 | mg/L | LACHAT 10115011E |
| Total Solids | Total Solids | 36 | mg/L | SM 2540B |
| Turbidity | Turbidity | <0.5 | NTU | EPA 180.1 |

Sample Comments: NH₃-W, TP-W and TS are non-regulatory parameters and are for informational purposes only, not for compliance.

Client: synTerra

Laboratory ID: VA06034-006

Description: G43194 LOT78

Matrix: Aqueous

Date Sampled: 01/06/2020 1221

Date Received: 01/06/2020

PFAS by LC/MS/MS

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch | | |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|--|--|
| 1 | 537 | 537 | 1 | 01/08/2020 1906 | MMM | 01/07/2020 1329 | 41117 | | |
| 2 | 537 | 537 | 5 | 01/10/2020 1245 | MMM | 01/07/2020 1329 | 41117 | | |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------|-------------------|--------|---|------|------|-------|-----|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537 | 5.5 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537 | 46 | | 4.5 | 0.91 | ng/L | 2 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537 | 0.33 | J | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537 | 7.1 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537 | 10 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537 | 2.0 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537 | 15 | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537 | ND | | 0.91 | 0.18 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537 | 75 | | 4.5 | 0.91 | ng/L | 2 |

| Surrogate | Run 1 | | Run 2 | |
|------------|-------|------------|-------|------------|
| | Q | % Recovery | Q | % Recovery |
| 13C2_PFHxA | | 90 | | 98 |
| 13C6_PFDA | | 119 | | 98 |
| d5-EtFOSAA | | 88 | | 87 |

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

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

PFAS by LC/MS/MS

| | |
|--------------------------------------|-----------------------------------|
| Client: SC DHEC | Laboratory ID: VA16090-011 |
| Description: G43194 Lot 78 | Matrix: Aqueous |
| Date Sampled: 01/16/2020 1235 | |
| Date Received: 01/16/2020 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 537.1 | 537.1 | 1 | 01/20/2020 2353 | MMM | 01/19/2020 1249 | 42255 |
| 2 | 537.1 | 537.1 | 5 | 01/21/2020 1636 | MMM | 01/19/2020 1249 | 42255 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | DL | Units | Run |
|--|------------------|-------------------|------------|---|------------|-------------|-------------|----------|
| N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA) | 2991-50-6 | 537.1 | ND | | 1.8 | 0.36 | ng/L | 1 |
| N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA) | 2355-31-9 | 537.1 | ND | | 1.8 | 0.44 | ng/L | 1 |
| Perfluoro-1-butane sulfonic acid (PFBS) | 375-73-5 | 537.1 | 5.2 | | 1.8 | 0.36 | ng/L | 1 |
| Perfluorohexane sulfonic acid (PFHxS) | 355-46-4 | 537.1 | 66 | | 8.9 | 1.8 | ng/L | 2 |
| Perfluoro-n-decanoic acid (PFDA) | 335-76-2 | 537.1 | ND | | 1.8 | 0.71 | ng/L | 1 |
| Perfluoro-n-dodecanoic acid (PFDoA) | 307-55-1 | 537.1 | ND | | 1.8 | 0.36 | ng/L | 1 |
| Perfluoro-n-heptanoic acid (PFHpA) | 375-85-9 | 537.1 | 7.0 | | 1.8 | 0.36 | ng/L | 1 |
| Perfluoro-n-hexanoic acid (PFHxA) | 307-24-4 | 537.1 | 11 | | 1.8 | 0.36 | ng/L | 1 |
| Perfluoro-n-nonanoic acid (PFNA) | 375-95-1 | 537.1 | 1.9 | | 1.8 | 0.71 | ng/L | 1 |
| Perfluoro-n-octanoic acid (PFOA) | 335-67-1 | 537.1 | 15 | | 1.8 | 0.36 | ng/L | 1 |
| Perfluoro-n-tetradecanoic acid (PFTeDA) | 376-06-7 | 537.1 | ND | | 1.8 | 0.36 | ng/L | 1 |
| Perfluoro-n-tridecanoic acid (PFTrDA) | 72629-94-8 | 537.1 | ND | | 1.8 | 0.44 | ng/L | 1 |
| Perfluoro-n-undecanoic acid (PFUdA) | 2058-94-8 | 537.1 | ND | | 1.8 | 0.71 | ng/L | 1 |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 | 537.1 | 100 | | 8.9 | 1.8 | ng/L | 2 |

| Surrogate | Run 1 | | | Run 2 | | |
|--------------|-------|------------|-------------------|-------|------------|-------------------|
| | Q | % Recovery | Acceptance Limits | Q | % Recovery | Acceptance Limits |
| 13C2_PFHxA | | 87 | 70-130 | | 114 | 70-130 |
| 13C3-HFPO-DA | | 110 | 50-150 | | 118 | 50-150 |
| 13C6_PFDA | | 111 | 70-130 | | 118 | 70-130 |
| d5-EtFOSAA | | 94 | 70-130 | | 102 | 70-130 |

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

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