



Date of Issue: 07/21/2021 04:08:53

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
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Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Environmental Cleanup

Sample ID: 0128 001

Date Collected: 06/16/2021 10:30:00 AM

Lab Sample ID: O2021004173

Status: Completed

Name of Sample Collector: Dennis J Low

Date Received: 06/17/2021

County: York

State:

Municipality: Fairview Twp

NEWBERRY TWP PFC

Sample Medium: Ground Water

Sample Medium Type: Water

Cycle Chem MW-1

Location: MW-1

Reason: Routine Sampling

Project: NOT INDICATED

Suite: PFAS1

Matrix: Water

| Field Tests | | |
|----------------------|-------|----------|
| pH | 6.28 | pH units |
| Temperature | 14.26 | C |
| Dissolved Oxygen | 8.55 | mg/L |
| Specific Conductance | 535 | umhos/cm |

Stream Condition:

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Sample Comment: Split sample with Cycle Chem (ACV) at MW-1 for PFAS and VOCs as part of Newberry Twp PFC study.

Appearance: Clear

| Test Codes / CAS # - Description | Reported Results | Date And Time Analyzed | Approved by | Test Method |
|---|------------------|------------------------|-------------|----------------------|
| 763051929 11CI-PF3OUdS | 3.5 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| 756426581 9CI-PF3ONS | 3.4 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| 919005144 ADONA | 3.5 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| EXTRACTED DATE | 06242021 Day | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 13252136 HFPO-DA | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| 2991506 nEtFOSAA | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| Internal standard recoveries high. Results may be biased low. | | | | |
| 2355319 nMeFOSAA | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| ** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP | | | | |
| Internal standard recoveries high. Results may be biased low. | | | | |
| 375735 Perfluorobutanesulfonic acid | 14.8 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 335762 Perfluorodecanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 307551 Perfluorododecanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 375859 Perfluoroheptanoic acid | 19.0 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 355464 Perfluorohexanesulfonic acid | 33.4 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 307244 Perfluorohexanoic acid | 71.4 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 375951 Perfluorononanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |

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|--------------------------------------|------------------|------------------------|-------------|----------------------|
| 1763231 Perfluorooctanesulfonic acid | 5.8 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 335671 Perfluorooctanoic acid | 7.8 ng/L | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 376067 Perfluorotetradecanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 72629948 Perfluorotridecanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |
| 2058948 Perfluoroundecanoic acid | 3.7 ng/L (U) | 07/09/2021 05:22 PM | CHPRETTNER | BOL 6049 (EPA 537.1) |

The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.
* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

Dr. Pamela Higgins, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 40% difference between the results obtained from the primary and confirmation columns for dual column analysis methods (e.g. pesticides, triazines, PCBs, etc)

Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.