



Date of Issue: 09/27/2019 04:07:29

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
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: 08/26/2019 10:20:00 AM

Lab Sample ID: O2019006804

Status: Completed

Name of Sample Collector: Dennis J Low

Date Received: 08/28/2019

County: York

Municipality: Newberry Twp

1170 OLD TRAIL ROAD

ETTERS PA.

Correct sample
time should be 935

State:

Sample Medium: Ground Water

Sample Medium Type: Water

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Suite: PFAS1

Matrix: Water

| Field Tests | | |
|----------------------|-------|----------|
| pH | 6.6 | pH units |
| Temperature | 14.56 | C |
| Dissolved Oxygen | 3.94 | mg/L |
| Specific Conductance | 830 | umhos/cm |

Stream Condition:

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Status: Completed

Sample Comment: PFAS

Sample Standard Comment: This is a revised report

Sample Lab Comment: INCORRECT CONTAINER USED No associated field blank was submitted with this sample At the time of analysis, the Bureau of Laboratories was NELAP accredited by the PADEP Laboratory Accreditation Program, and in "applied" status with NJDEP Office of Quality Assurance.

Appearance: Clear

| Test Codes / CAS # - Description | Reported Results | Date And Time Analyzed | Approved by | Test Method |
|--------------------------------------|------------------|------------------------|-------------|-------------|
| 763051929 11CI-PF3OUdS | 3.4 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 756426581 9CI-PF3ONS | 3.4 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 919005144 ADONA | 3.4 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| EXTRACTED DATE | 08302019 Day | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 13252136 HFPO-DA | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 2991506 nEtFOSAA | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 2355319 nMeFOSAA | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 375735 Perfluorobutanesulfonic acid | 3.2 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 335762 Perfluorodecanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 307551 Perfluorododecanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 375859 Perfluoroheptanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 355464 Perfluorohexanesulfonic acid | 8.2 ng/L | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 307244 Perfluorohexanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 375951 Perfluorononanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 1763231 Perfluorooctanesulfonic acid | 13.0 ng/L | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 335671 Perfluorooctanoic acid | 6.1 ng/L | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 376067 Perfluorotetradecanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 72629948 Perfluorotridecanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | EPA 537.1 |
| 2058948 Perfluoroundecanoic acid | 3.6 ng/L (U) | 09/10/2019 01:30 PM | CHPRETTNER | 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 2009 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).

Taru Upadhyay, Technical Director, Bureau of Laboratories

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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.