Date of Issue: 04/15/2020 04:01:00

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 004 **Date Collected:** 02/26/2020 11:00:00 AM **Lab Sample ID:** O2020001408 **Status:** Completed

Name of Sample Collector: Dennis J Low
Date Received: 02/27/2020

County: York **State:**
Municipality: Fairview Twp

NA

Sample Medium: Water
Sample Medium Type: Water

Location: SW-4
Reason: Routine Sampling
Project: NOT INDICATED
Suite: PFAS1
Matrix: Water

Field Tests		
pH	7.32	pH units
Temperature	8.0	C
Dissolved Oxygen	11.91	mg/L
Specific Conductance	408	umhos/cm

Stream Condition:

Sample ID: 0128 004 **Date Collected:** 02/26/2020 11:00:00 AM **Lab Sample ID:** O2020001408 **Status:** Completed

Sample Comment: Fairview/Newberry PFAS Study Alkalinity = 85 mg/L

Appearance: clear

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
763051929 11Cl-PF3OUdS	3.4 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP				
756426581 9Cl-PF3ONS	3.4 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP				
919005144 ADONA	3.4 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP				
EXTRACTED DATE	02282020 Day	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
13252136 HFPO-DA	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP				
2991506 nEtFOSAA	3.6 ng/L (U)	03/16/2020 10:07 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	3.6 ng/L (U)	03/16/2020 10:07 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	3.2 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
335762 Perfluorodecanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
307551 Perfluorododecanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
375859 Perfluoroheptanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
355464 Perfluorohexanesulfonic acid	3.3 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
307244 Perfluorohexanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
375951 Perfluorononanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)

Analytical Report For
Environmental Cleanup

Sample ID: 0128 004 **Date Collected:** 02/26/2020 11:00:00 AM **Lab Sample ID:** O2020001408 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
1763231 Perfluorooctanesulfonic acid	3.3 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
335671 Perfluorooctanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
376067 Perfluorotetradecanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
72629948 Perfluorotridecanoic acid	3.6 ng/L (U)	03/16/2020 10:07 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
2058948 Perfluoroundecanoic acid	3.6 ng/L (U)	03/16/2020 10:07 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).

June Black, 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.