



**Date of Issue:** 08/11/2020 04:09:14

**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 008

**Date Collected:** 07/30/2020 02:28:00 PM

**Lab Sample ID:** O2020003241

**Status:** Completed

**Name of Sample Collector:** Dennis J Low

**Date Received:** 07/31/2020

**County:** York

**State:**

**Municipality:** Fairview Twp

CYCLE CHEM

550 INDUSTRIAL DRIVE

LEWISBERRY PA. 17339

**Sample Medium:** Ground Water

**Sample Medium Type:** Water

**Location:** MW-2

**Reason:** Routine Sampling

**Project:** NOT INDICATED

**Suite:** PFAS1

**Matrix:** Water

Field Tests		
pH	4.93	pH units
Temperature	21.11	C
Dissolved Oxygen	2.06	mg/L
Specific Conductance	2420	umhos/cm

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**Stream Condition:**

**Sample Comment:** Sample collected as part of HSCA Newberry Twp PFC study

**Appearance:** clear

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
763051929 11CI-PF3OUdS	3.4 ng/L (U)	08/07/2020 09:32 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)	08/07/2020 09:32 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)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
** Comment ** Lab accredited by PA LAP, parameter not offered by NJ NELAP				
EXTRACTED DATE	07312020 Day	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
13252136 HFPO-DA	3.6 ng/L (U)	08/07/2020 09:32 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)	08/07/2020 09:32 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.Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
2355319 nMeFOSAA	3.6 ng/L (U)	08/07/2020 09:32 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.Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
375735 Perfluorobutanesulfonic acid	116.7 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
335762 Perfluorodecanoic acid	12.1 ng/L	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
307551 Perfluorododecanoic acid	3.6 ng/L (U)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
375859 Perfluoroheptanoic acid	172.6 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
355464 Perfluorohexanesulfonic acid	585.2 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
307244 Perfluorohexanoic acid	629.9 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)

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375951 Perfluorononanoic acid	17.9 ng/L	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
1763231 Perfluorooctanesulfonic acid	3106.9 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
335671 Perfluorooctanoic acid	250.6 ng/L (Q)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
376067 Perfluorotetradecanoic acid	3.6 ng/L (U)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
72629948 Perfluorotridecanoic acid	3.6 ng/L (U)	08/07/2020 09:32 PM	CHPRETTNER	BOL 6049 (EPA 537.1)
2058948 Perfluoroundecanoic acid	3.6 ng/L (U)	08/07/2020 09:32 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.