



Date of Issue: 12/10/2019 04:03:25

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 002

Date Collected: 10/30/2019 12:00:00 PM

Lab Sample ID: O2019009008

Status: Completed

Name of Sample Collector: Dennis J Low

Date Received: 10/31/2019

County: York

State:

Municipality: Newberry Twp

480 HEMLOCK LANE

ETTERS PA. 17319

Sample Medium: Ground Water

Sample Medium Type: Water

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Suite: PFAS1

Matrix: Water

Field Tests		
pH	5.50	pH units
Temperature	13.4	C
Dissolved Oxygen	6.98	mg/L
Specific Conductance	244	umhos/cm

Stream Condition:

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Sample Comment: Duplicate sample to 001

Sample Lab Comment: 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.

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
763051929 11CI-PF3OUdS	3.4 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
756426581 9CI-PF3ONS	3.4 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
919005144 ADONA	3.5 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
EXTRACTED DATE	11082019 Day	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
13252136 HFPO-DA	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
2991506 nEtFOSAA	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.Internal standard recoveries high. Results may be biased low.				
2355319 nMeFOSAA	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.Internal standard recoveries high. Results may be biased low.				
375735 Perfluorobutanesulfonic acid	3.2 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
335762 Perfluorodecanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
307551 Perfluorododecanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
375859 Perfluoroheptanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
355464 Perfluorohexanesulfonic acid	3.3 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
307244 Perfluorohexanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
Surrogate recovery low. Results and/or reporting limits may be biasedlow.				
375951 Perfluorononanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
1763231 Perfluorooctanesulfonic acid	3.4 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
335671 Perfluorooctanoic acid	4.0 ng/L (B)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
376067 Perfluorotetradecanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
72629948 Perfluorotridecanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1
2058948 Perfluoroundecanoic acid	3.7 ng/L (U)	11/22/2019 12:50 PM	CHPRETTNER	EPA 537.1

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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

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.