



Date of Issue: 08/27/2019 07:58:05

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  
Water Quality Protection

Sample ID: 1798 106

Date Collected: 07/31/2019 02:08:00 PM

Lab Sample ID: O2019006056

Status: Completed

Name of Sample Collector: Michael Benham

Date Received: 08/02/2019

County: Cumberland

State:

Municipality: North Middleton Twp

Sample Medium: Surface Water

Sample Medium Type: Water

Location: Immediately DWS of injection work site in man-made channel

Reason: Routine Sampling

Project: NOT INDICATED

Suite: VOASW

Matrix: Water

Stream Condition:

Appearance: Clear

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
71556 1,1,1-Trichloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
79345 1,1,2,2-Tetrachloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
79005 1,1,2-Trichloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75343 1,1-Dichloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75354 1,1-Dichloroethene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
563586 1,1-Dichloropropene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
87616 1,2,3-Trichlorobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
96184 1,2,3-Trichloropropane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
120821 1,2,4-Trichlorobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
95636 1,2,4-Trimethylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
96128 1,2-Dibromo-3-chloropropane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
Low-level LFB recovery low. Results and/or reporting limit may be biased low.				
106934 1,2-Dibromoethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
95501 1,2-Dichlorobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
107062 1,2-Dichloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
78875 1,2-Dichloropropane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108678 1,3,5-Trimethylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
541731 1,3-Dichlorobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
142289 1,3-Dichloropropane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
106467 1,4-Dichlorobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
594207 2,2-Dichloropropane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
78933 2-Butanone	2.5 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
591786 2-Hexanone	2.5 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
99876 4-Isopropyltoluene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108101 4-Methyl-2-pentanone	2.5 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
67641 Acetone	5.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
71432 Benzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108861 Bromobenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
74975 Bromochloromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75274 Bromodichloromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75252 Bromoform	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
Low-level LFB recovery low. Results and/or reporting limit may be biased low.				
74839 Bromomethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75150 Carbon disulfide	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
56235 Carbon tetrachloride	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108907 Chlorobenzene	1.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75003 Chloroethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75014 Chloroethene (vinyl chloride)	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
67663 Chloroform	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C

**Analytical Report For  
Water Quality Protection**

Sample ID: 1798 106

Date Collected: 07/31/2019 02:08:00 PM

Lab Sample ID: O2019006056

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
74873 Chloromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
156592 cis-1,2-Dichloroethene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
10061015 cis-1,3-Dichloropropene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
124481 Dibromochloromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
74953 Dibromomethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75718 Dichlorodifluoromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75092 Dichloromethane	1.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
100414 Ethylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
EXTRACTED DATE		08/02/2019 02:00 AM	DLY	EPA 8260C
EXTRACTED TIME		08/02/2019 02:00 AM	DLY	EPA 8260C
87683 Hexachlorobutadiene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
98828 Isopropylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108383 m/p-Xylenes	1.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
1634044 Methyl-tert-butyl Ether	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
91203 Naphthalene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
104518 n-Butylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
103651 n-Propylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
95498 o-Chlorotoluene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
95476 o-Xylene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
106434 p-Chlorotoluene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
98566 PCTFB	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
135988 Sec-Butylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
100425 Styrene	0.71 ug/L	08/02/2019 02:00 AM	DLY	EPA 8260C
75650 t-Butyl alcohol	5.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
540885 tert-Butyl Acetate	2.5 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
98066 Tert-Butylbenzene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
127184 Tetrachloroethene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
109999 Tetrahydrofuran	1.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108883 Toluene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
1330207 Total Xylenes	0 ug/L	08/02/2019 02:00 AM	DLY	EPA 8260C
156605 trans-1,2-Dichloroethene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
10061026 trans-1,3-Dichloropropene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
79016 Trichloroethene	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
75694 Trichlorofluoromethane	0.50 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C
108054 Vinyl Acetate	1.0 ug/L (U)	08/02/2019 02:00 AM	DLY	EPA 8260C

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Water Quality Protection

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Lab Sample ID: O2019006056

Status: Completed

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

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  
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U - Indicates analysis was performed for the compound 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.