



Date of Issue: 08/25/2017 10:54:10

DEP Bureau of Laboratories - Harrisburg  
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NELAP - accredited by

NJ DEP - Laboratory Number: PA059  
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For  
Watershed Conservation

Sample ID: 0620 524

Date Collected: 09/22/2016 09:22:00 AM

Lab Sample ID: I2016030400

Status: Completed

Name of Sample Collector: James Grazio

Date Received: 09/23/2016

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 018

Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
00410 ALKALINITY REPORTED @ pH 4.5	181.0 MG/L	09/23/2016 01:34 PM	MTUZINSKI	SM 2320B
01106H ALUMINUM, DISSOLVED (WATER & WASTE) BY ICPMS	12.640 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01105H ALUMINUM, TOTAL (WATER & WASTE) ICPMS	36.270 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
00610A AMMONIA TOTAL AS NITROGEN	0.02 MG/L	10/07/2016 10:49 PM	CRADEK	EPA 350.1
** Comment ** Poss ble Matrix Interference				
code 088: POSSIBLE MATRIX INTERFERENCE				
01000H ARSENIC, DISSOLVED (WATER & WASTE) BY ICPMS	<3.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
01002H ARSENIC, TOTAL (WATER & WASTE) BY ICPMS	<3.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01007A BARIUM, TOTAL (WATER & WASTE) BY ICP	74.000 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
71870 BROMIDE BY ION CHROMATOGRAPHY	<0.2 MG/L	09/23/2016 12:00 AM	FVODOPIVEC	EPA 300.0
01025H CADMIUM, DISSOLVED (WATER & WASTE) BY ICPMS	<.20 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01027H CADMIUM, TOTAL (WATER & WASTE) BY ICPMS	<0.2 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
00916A CALCIUM, TOTAL (WATER & WASTE) BY ICP	92.200 MG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01034A CHROMIUM, TOTAL (WATER & WASTE) BY ICP	<50 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01040H COPPER, DISSOLVED (WATER & WASTE) BY ICPMS	7.710 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01042H COPPER, TOTAL (WATER & WASTE) BY ICPMS	7.930 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
00900 HARDNESS, TOTAL (CALCULATED)	296 MG/L	10/03/2016 10:44 AM	MDEIGHAN	SM 2340 B
01046A IRON, DISSOLVED (WATER & WASTE) BY ICP	<20 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01045A IRON, TOTAL (WATER & WASTE) BY ICP	88.000 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01049H LEAD, DISSOLVED (WATER & WASTE) BY ICPMS	<1.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01051H LEAD, TOTAL (WATER & WASTE) BY ICPMS	<1.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
00927A MAGNESIUM, TOTAL (WATER & WASTE) BY ICP	15.800 MG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01055A MANGANESE, TOTAL (WATER & WASTE) BY ICP	<10.00 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01062A MOLYBDENUM, TOTAL (WATER & WASTE) BY ICP	<70 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
01065H NICKEL, DISSOLVED (WATER & WASTE) BY ICPMS	5.880 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01067H NICKEL, TOTAL (WATER & WASTE) BY ICPMS	5.700 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
00403 pH, Lab (Electrometric)	8.4 pH units	09/23/2016 01:34 PM	MTUZINSKI	SM 4500H-B
** Comment ** Holding Time Exceeded				
00937A POTASSIUM, TOTAL (WATER & WASTE) BY ICP	3.972 MG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
00929A SODIUM, TOTAL (WATER & WASTE) BY ICP	103.000 MG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
00095 SPECIFIC CONDUCTIVITY @ 25.0 C	1042.00 umhos/cm	09/27/2016 02:09 PM	MTUZINSKI	SM 2510B
01082A STRONTIUM, TOTAL (WATER & WASTE) BY ICP	317.000 UG/L	10/03/2016 10:44 AM	MDEIGHAN	EPA 200.7
70508 Total Acidity	-155.40 MG/L	09/30/2016 09:14 AM	TVOROBAYCH	SM 2310B
00940A Total Chloride-Colorimetric	186.2 MG/L	10/15/2016 12:51 AM	CRADK	SM 4500-CL E
70300U TOTAL DISSOLVED SOLIDS @ 180C BY USGS-I-1750	624 MG/L	09/23/2016 12:00 AM	LWILKINSON	USGS I-1750
00620A Total Nitrate Nitrogen-Colorimetric	0.27 MG/L	09/23/2016 10:46 AM	TBEAR	EPA 353.2
00615A Total Nitrite Nitrogen-Colorimetric	<.01 MG/L	09/23/2016 10:46 AM	TBEAR	EPA 353.2
00665A Total Phosphorus as P	0.022 MG/L	10/19/2016 11:57 AM	RMICHENER	EPA 365.1
00945A Total Sulfate-Colorimetric	120.6 MG/L	09/30/2016 01:20 PM	LHREHA	EPA 375.2
00530 TOTAL SUSPENDED SOLIDS	6 MG/L	09/23/2016 02:33 PM	LWILKINSON	USGS I-3765
01090H ZINC, DISSOLVED (WATER & WASTE) BY ICPMS	<5.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8
01092H ZINC, TOTAL (WATER & WASTE) BY ICPMS	<5.0 UG/L	09/26/2016 12:00 AM	JOWERNER	EPA 200.8

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Watershed Conservation**

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**Date Collected:** 09/22/2016 09:22:00 AM

**Lab Sample ID:** I2016030400

**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

Taru Upadhyay, Technical Director, Bureau of Laboratories