



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

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
Environmental Cleanup

Sample ID: 0128 002

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

Lab Sample ID: I2019026995

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

Standard Analysis: 707

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

| Test Codes / CAS # - Description | Reported Results | Date And Time Analyzed | Approved by | Test Method |
|--|------------------|------------------------|-------------|---------------|
| 00410M ALKALINITY AS CaCO3 @ pH 3.9 | 26.8 mg/L | 10/31/2019 11:10 AM | MTUZINSKI | SM 2320B |
| 01106A ALUMINUM, DISSOLVED (WATER & WASTE) BY ICP | <300. ug/L (U) | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01105A ALUMINUM, TOTAL (WATER & WASTE) BY ICP | <300. ug/L (U) | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00915A CALCIUM, DISSOLVED (WATER & WASTE) BY ICP | 26.32 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00916A CALCIUM, TOTAL (WATER & WASTE) BY ICP | 26.010 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01046A IRON, DISSOLVED (WATER & WASTE) BY ICP | <100. ug/L (U) | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01045A IRON, TOTAL (WATER & WASTE) BY ICP | <100.0 ug/L (U) | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00925A MAGNESIUM, DISSOLVED (WATER & WASTE) BY ICP | 5.96 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00927A MAGNESIUM, TOTAL (WATER & WASTE) BY ICP | 5.89 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01056A MANGANESE, DISSOLVED (WATER & WASTE) BY ICP | 12.00 ug/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01055A MANGANESE, TOTAL (WATER & WASTE) BY ICP | 12.00 ug/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00403M pH Reported with 3.9 alk | 5.7 pH units | 10/31/2019 11:10 AM | MTUZINSKI | SM 4500-H+ B |
| ** Comment ** Holding Time Exceeded | | | | |
| 00935A POTASSIUM, DISSOLVED WATER & WASTE) BY ICP | 1.662 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00937A POTASSIUM, TOTAL (WATER & WASTE) BY ICP | 1.63 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00955A SILICA, DISSOLVED (WATER & WASTE) BY ICP | 12.17 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00956A SILICA, TOTAL (WATER & WASTE) BY ICP* | 12.02 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00930A SODIUM, DISSOLVED (WATER & WASTE) BY ICP | 8.70 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00929A SODIUM, TOTAL (WATER & WASTE) BY ICP | 8.58 mg/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 00095 SPECIFIC CONDUCTIVITY @ 25.0 C | 244.00 umhos/cm | 11/05/2019 02:41 PM | MTUZINSKI | SM 2510B |
| 00403T Temperature at which pH is measured | 20.69 C | 10/31/2019 11:10 AM | MTUZINSKI | SM 4500-H+ B |
| 70508 Total Acidity as CaCO3 @ pH 8.3 | -12.40 mg/L | 10/31/2019 12:00 PM | JANJOHN | SM 2310B |
| 00940A Total Chloride-Colorimetric | 30.0 mg/L | 11/07/2019 02:01 AM | JANBARRY | SM 4500-CL- E |
| ** Comment ** Currently not certified for drinking water | | | | |
| 00951 Total Fluoride-Ion Chromatograph | <0.20 mg/L (U) | 10/31/2019 12:06 PM | FVODOPIVEC | EPA 300.0 |
| 00620A Total Nitrate Nitrogen-Colorimetric | 6.03 mg/L | 10/31/2019 04:26 PM | TBEAR | EPA 353.2 |
| 00945A Total Sulfate-Colorimetric | <20.0 mg/L (U) | 11/13/2019 01:49 PM | LHREHA | EPA 375.2 |
| 00530 TOTAL SUSPENDED SOLIDS | <5 mg/L (U) | 10/31/2019 03:25 PM | MOBERCASH | USGS I-3765 |
| 01090A ZINC, DISSOLVED (WATER & WASTE) BY ICP | 48.000 ug/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |
| 01092A ZINC, TOTAL (WATER & WASTE) BY ICP | 63.00 ug/L | 11/01/2019 12:06 PM | ATAPSOBA | EPA 200.7 |

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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

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