



Date of Issue: 06/19/2018 04:04:29

DEP Bureau of Laboratories - Harrisburg  
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Harrisburg, PA 17105-1467

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NELAP - accredited by

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

Analytical Report For  
Abandoned Mine Reclamation

Sample ID: 7135 001

Date Collected: 06/06/2018 09:30:00 AM

Lab Sample ID: I2018014678

Status: Completed

Name of Sample Collector: Joseph S Kasulaitis

Date Received: 06/07/2018

County: Berks

State:

Municipality: Windsor Twp

MP ID: SOIL1 158476

MP Type: Impoundment

MP Location Description: Soil from Point 1

* Alias ID	Project / Facility
SOIL1	KERNSVILLE

Sample Medium: Soil

Sample Medium Type: Soil

Location: NOT INDICATED

Reason: Routine Sampling

Project: KERNSVILLE Kernsville Dam

Standard Analysis: 229

Matrix: Soil

Stream Condition:

Sample Comment: Schuylkill River

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
80002K ACID DIGESTION / ICP ANALYSIS	0.0 Each	06/08/2018 12:00 PM	MBOTTS	EPA 3051
46909K2 Antimony, MG/KG Dry WT Basis	<4.520 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	11.100 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
90002S ASTM-A H2O Leach*	0 Each	06/12/2018 12:00 AM	FHUNZIKER	ASTM D3987-06
46901K BARIUM, MG/KG DRY WT. BASIS	188 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
46910K2 Beryllium, MG/KG Dry WT Basis	4.520 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46022K Boron, MG/KG Dry Wt. Basis	<90.5 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
46309K2 Cadmium, MG/KG Dry WT Basis	3.390 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46308K CHROMIUM, MG/KG DRY WT. BASIS	16.3 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
46908K2 Cobalt, MG/KG Dry WT Basis	191.000 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46257K COPPER, MG/KG DRY WT. BASIS	68.100 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
41032L Hexavalent Chromium dry weight	<90.50 UG/KG	06/13/2018 03:37 PM	FVODOPIVEC	EPA 218.6
41032A Hexchrome ASTM Leach	<1.0	06/13/2018 03:37 PM	FVODOPIVEC	EPA 218.6
46258K2 Lead, , MG/KG Dry WT Basis	46.200 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46255K MANGANESE, MG/KG DRY WT. BASIS	4403 MG/KG	06/11/2018 12:23 PM	MBOTTS	EPA 6010 D
46259K MERCURY, MG/KG DRY WT. BASIS	<0.452 MG/KG	06/11/2018 02:06 PM	FHUNZIKER	EPA 7471B
46307K2 Nickel, MG/KG Dry WT Basis	169.000 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL*	77.90 %	06/08/2018 10:15 AM	MBOTTS	SM 2540G
% Solids DUP failed criteria. (% Difference = 7.5%)				
40006K PERCENT SOLID CONTENT*	22.10 %	06/08/2018 10:15 AM	MBOTTS	SM 2540G
% Solids DUP failed criteria. (% Difference = 7.5%)				
40004K Sample Weight ,g	0.5000 GRAMS	06/08/2018 12:00 PM	MBOTTS	EPA 3051
46904K2 Selenium, MG/KG Dry WT Basis	<15.800 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46902K2 Silver, MG/KG Dry WT Basis	<2.260 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<4.520 MG/KG	06/18/2018 10:51 AM	SCHOY	EPA 6020B
46912K TIN, MG/KG DRY WT. BASIS	<90.5 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	24.9 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D
40722W WAD Cyanide ASTM Leach ug/Kg	<0.2715 MG/KG	06/12/2018 08:25 AM	TVOROBAYCH	EPA KELADA-01
40719W WAD Cyanide ASTM Leach ug/L	<.003 MG/L	06/12/2018 08:25 AM	TVOROBAYCH	EPA KELADA-01
46905K ZINC, MG/KG DRY WT. BASIS	624 MG/KG	06/11/2018 12:18 PM	MBOTTS	EPA 6010 D

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

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