



Date of Issue: 07/06/2018 04:02:30

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
Abandoned Mine Reclamation

Sample ID: 7135 002

Date Collected: 06/13/2018 10:05:00 AM

Lab Sample ID: I2018015374

Status: Completed

Name of Sample Collector: Joseph S Kasulaitis

Date Received: 06/14/2018

County: Berks

State:

Municipality: Windsor Twp

MP ID: SOIL7 158684

MP Type: Impoundment

MP Location Description: Soil from Point 7

* Alias ID	Project / Facility
SOIL7	KERNSVILLE

Sample Medium: Soil

Sample Medium Type: Soil

Location: Soil from Point 7

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	06/14/2018 12:00 PM	MBOTTS	EPA 3051
46909K2 Antimony, MG/KG Dry WT Basis	<1.220 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46903K2 Arsenic, MG/KG Dry WT Basis	4.290 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
90002S ASTM-A H2O Leach*	0 Each	06/19/2018 12:00 AM	FHUNZIKER	ASTM D3987-06
46901K BARIUM, MG/KG DRY WT. BASIS	132 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
46910K2 Beryllium, MG/KG Dry WT Basis	1.290 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46022K Boron, MG/KG Dry Wt. Basis	<24.5 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
46309K2 Cadmium, MG/KG Dry WT Basis	<0.612 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46308K CHROMIUM, MG/KG DRY WT. BASIS	21.7 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
46908K2 Cobalt, MG/KG Dry WT Basis	16.500 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46257K COPPER, MG/KG DRY WT. BASIS	21.000 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
41032L Hexavalent Chromium dry weight	<24.99 UG/KG	06/21/2018 04:14 PM	FVODOPIVEC	EPA 218.6
41032A Hexchrome ASTM Leach	<1.0 UG/L	06/21/2018 04:14 PM	FVODOPIVEC	EPA 218.6
46258K2 Lead, , MG/KG Dry WT Basis	13.500 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46255K MANGANESE, MG/KG DRY WT. BASIS	793 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
46259K MERCURY, MG/KG DRY WT. BASIS	<0.122 MG/KG	06/18/2018 02:17 PM	FHUNZIKER	EPA 7471B
46307K2 Nickel, MG/KG Dry WT Basis	29.300 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
40005K PERCENT MOISTURE IN SOIL*	19.98 %	06/15/2018 10:30 AM	MBOTTS	SM 2540G
40006K PERCENT SOLID CONTENT*	80.02 %	06/15/2018 10:30 AM	MBOTTS	SM 2540G
40004K Sample Weight ,g	0.5100 GRAMS	06/14/2018 12:00 PM	MBOTTS	EPA 3051
46904K2 Selenium, MG/KG Dry WT Basis	<4.290 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46902K2 Silver, MG/KG Dry WT Basis	<0.612 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46911K2 Thallium, MG/KG Dry WT Basis	<1.220 MG/KG	06/18/2018 11:50 AM	SCHOY	EPA 6020B
46912K TIN, MG/KG DRY WT. BASIS	<24.5 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
46913K VANADIUM, MG/KG DRY WT. BASIS	22.2 MG/KG	06/18/2018 10:22 AM	MBOTTS	EPA 6010 D
LFB reading was above upper limit for V. Result may be biased high.				
40722W WAD Cyanide ASTM Leach ug/Kg	<0.0750 MG/KG	06/19/2018 08:25 AM	TVOROBAYCH	EPA KELADA-01
40719W WAD Cyanide ASTM Leach ug/L	<.003 MG/L	06/19/2018 08:25 AM	TVOROBAYCH	EPA KELADA-01
46905K ZINC, MG/KG DRY WT. BASIS	76.5 MG/KG	06/18/2018 10:22 AM	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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