Date of Issue: 08/12/2024 02:30:28

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
Environmental Cleanup

Sample ID: 2128 034 **Date Collected:** 07/08/2015 02:25:00 PM **Lab Sample ID:** O2015005191 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 07/09/2015

County: Bucks **State:**
Municipality: Nockamixon Twp

Sample Medium: Soil
Sample Medium Type: Soil

Location: B 100 @ 7 ft..
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOASW
Matrix: Soil

Stream Condition:

Sample Lab Comment: TIC: Multiple Substituted Cyclohexane, Multiple Substituted Heptane, Multiple Substituted Benzene, Multiple Substituted Decane, Multiple Substituted Nonane, Multiple Substituted Octane, Tridecane, o-cymene, Indene

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
71556 1,1,1-Trichloroethane	62500 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
79345 1,1,2,2-Tetrachloroethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C

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Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75343	1,1-Dichloroethane	89.3 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
75354	1,1-Dichloroethene	1360 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
563586	1,1-Dichloropropene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
87616	1,2,3-Trichlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
96184	1,2,3-Trichloropropane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
120821	1,2,4-Trichlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
95636	1,2,4-Trimethylbenzene	17000 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
96128	1,2-Dibromo-3-chloropropane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
106934	1,2-Dibromoethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
95501	1,2-Dichlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
107062	1,2-Dichloroethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
78875	1,2-Dichloropropane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
108678	1,3,5-Trimethylbenzene	11200 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
541731	1,3-Dichlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
142289	1,3-Dichloropropane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
106467	1,4-Dichlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
594207	2,2-Dichloropropane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
78933	2-Butanone	294 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
591786	2-Hexanone	294 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
99876	4-Isopropyltoluene	334 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
108101	4-Methyl-2-pentanone	294 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
67641	Acetone	294 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
71432	Benzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
108861	Bromobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75274	Bromodichloromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75252	Bromoform	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
74839	Bromomethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75150	Carbon disulfide	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
56235	Carbon tetrachloride	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
108907	Chlorobenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75003	Chloroethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75014	Chloroethene (vinyl chloride)	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
67663	Chloroform	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
74873	Chloromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
156592	cis-1,2-Dichloroethene	13400 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C

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Environmental Cleanup

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
10061015 cis-1,3-Dichloropropene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
124481 Dibromochloromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
74953 Dibromomethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75718 Dichlorodifluoromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75092 Dichloromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
100414 Ethylbenzene	10400 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
EXTRACTED DATE		07/16/2015 02:00 AM	DLY	EPA 8260C
EXTRACTED TIME		07/16/2015 02:00 AM	DLY	EPA 8260C
87683 Hexachlorobutadiene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
98828 Isopropylbenzene	7880 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
108383 m/p-Xylenes	79200 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
1634044 Methyl-tert-butyl Ether	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
91203 Naphthalene	752 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
104518 n-Butylbenzene	1140 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
103651 n-Propylbenzene	8100 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
95498 o-Chlorotoluene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
95476 o-Xylene	38400 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
106434 p-Chlorotoluene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
98566 PCTFB	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
135988 Sec-Butylbenzene	452 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
100425 Styrene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
75650 t-Butyl alcohol	588 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
540885 tert-Butyl Acetate	294 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
98066 Tert-Butylbenzene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
127184 Tetrachloroethene	276000 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
109999 Tetrahydrofuran	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
108883 Toluene	8520 ug/kg (Q)	07/16/2015 02:00 AM	DLY	EPA 8260C
156605 trans-1,2-Dichloroethene	177 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
10061026 trans-1,3-Dichloropropene	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
79016 Trichloroethene	131000 ug/kg	07/16/2015 02:00 AM	DLY	EPA 8260C
75694 Trichlorofluoromethane	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C
108054 Vinyl Acetate	58.8 ug/kg (U)	07/16/2015 02:00 AM	DLY	EPA 8260C

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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 2016 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).

Jennifer Fesler, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

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).

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.