



Date of Issue: 10/29/2016 04:01:35

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
Bureau Of Investigations

Sample ID: 2367 279

Date Collected: 10/11/2016 12:03:00 PM

Lab Sample ID: O2016007605

Status: Completed

Name of Sample Collector: Tony Marinelli

Date Received: 10/12/2016

County: Somerset

Municipality: Elk Lick Twp

State:

Sample Medium: Soil

Sample Medium Type: Soil

Location: N end of site

Reason: Investigation

Project: NOT INDICATED

Suite: VOASW

Matrix: Soil

Legal Seal:	1074132	Intact:	Yes
Legal Seal:	1074134	Intact:	Yes
Legal Seal:	1074133	Intact:	Yes

Stream Condition:

Sample Lab Comment: This sample contained the following Tentatively Identified Compounds: low levels of substituted benzenes and alkanes in the range C10 to C14; substituted naphthalenes; biphenyl.
Appearance: gray blk gritty soil

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Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
71556 1,1,1-Trichloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
79345 1,1,2,2-Tetrachloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
79005 1,1,2-Trichloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75343 1,1-Dichloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75354 1,1-Dichloroethene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
563586 1,1-Dichloropropene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
87616 1,2,3-Trichlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
96184 1,2,3-Trichloropropane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
120821 1,2,4-Trichlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
95636 1,2,4-Trimethylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
96128 1,2-Dibromo-3-chloropropane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
106934 1,2-Dibromoethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
95601 1,2-Dichlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
107062 1,2-Dichloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
78875 1,2-Dichloropropane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108678 1,3,5-Trimethylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
541731 1,3-Dichlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
142289 1,3-Dichloropropane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
106467 1,4-Dichlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
594207 2,2-Dichloropropane	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
591786 2-Hexanone	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
99876 4-Isopropyltoluene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
67641 Acetone	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
71432 Benzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108861 Bromobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75274 Bromodichloromethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75252 Bromoform	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
74839 Bromomethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75150 Carbon Disulfide	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
56235 Carbon Tetrachloride	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108907 Chlorobenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75003 Chloroethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75014 Chloroethene (vinyl chloride)	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
67663 Chloroform	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
74873 Chloromethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C

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156592 cis-1,2-Dichloroethene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
10061015 cis-1,3-Dichloropropene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
124481 Dibromochloromethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
74953 Dibromomethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75718 Dichlorodifluoromethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
100414 Ethylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
EXTRACTED DATE	1115 Hr	10/14/2016 02:00 AM	DLY	EPA 8260C
EXTRACTED TIME	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
87683 Hexachlorobutadiene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
98828 Isopropylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108383 m/p-Xylene	112 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
78933 MEK	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
163404 Methyl Tert-Butyl Ether	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75092 Methylene Chloride	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108101 MIBK	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
91203 Naphthalene	42.6 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
104518 n-Butylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
103651 n-Propylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
95498 o-Chlorotoluene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
95476 o-Xylene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
106434 p-Chlorotoluene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
98566 PCTFB	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
135988 Sec-Butylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
100425 Styrene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75650 t-Butyl alcohol	559 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
540885 tert-Butyl Acetate	279 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
98066 Tert-Butylbenzene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
127184 Tetrachloroethene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
109999 Tetrahydrofuran	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108883 Toluene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
156605 trans-1,2-Dichloroethene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
10061026 trans-1,3-Dichloropropene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
79016 Trichloroethene	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
75694 Trichlorofluoromethane	55.9 UG/KG (U)	10/14/2016 02:00 AM	DLY	EPA 8260C
108054 Vinyl Acetate	55.9 UG/KG (U)	10/14/2016 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 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

** Laboratory is accredited by NJ NELAP, parameter not offered by PA LAP

Taru Upadhyay, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

- U - Indicates analysis was performed for the compound but it was not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.
- 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 25% 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.