



Date of Issue: 10/29/2016 04:05:01

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 282

Date Collected: 10/11/2016 12:55:00 PM

Lab Sample ID: O2016007612

Status: Completed

Name of Sample Collector: Tony Martinelli

Date Received: 10/12/2016

County: Somerset
Municipality: Elk Lick Twp

State:

Sample Medium: Wood
Sample Medium Type: Wood

Location: Rail Road tie
Reason: Investigation
Project: NOT INDICATED
Suite: SV-SW
Matrix: Soil

Legal Seal: 1074138 Intact: Yes
Stream Condition:

Sample Comment: using cordless drill and 1/2 inch augur bit
Sample Lab Comment: This sample contained the following Tentatively Identified Compounds: biphenyl; substituted biphenyl; naphthalic anhydride; dibenzothiophene; carbazole;
miscellaneous substituted PAHs.
Appearance: blk wood

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
95943 1,2,4,5-Tetrachlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For
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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
120821 1,2,4-Trichlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
95501 1,2-Dichlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
541731 1,3-Dichlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
99650 1,3-Dinitrobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
106467 1,4-Dichlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
130154 1,4-Naphthoquinone	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
90131 1-Chloronaphthalene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
90120 1-Methylnaphthalene	1470 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
108-60-1 2,2'-oxybis(1-Chloropropane)	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
58902 2,3,4,6-Tetrachlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
95954 2,4,5-Trichlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
88062 2,4,6-Trichlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
120832 2,4-Dichlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
105679 2,4-Dimethylphenol	78.2 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
51285 2,4-Dinitrophenol	365 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
The second source standard recovery was low. Results and/or reporting limits may be biased low. Reporting limit may be biased low. Continuing calibration recoveries low.				
Results may be biased low.				
121142 2,4-Dinitrotoluene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
87650 2,6-Dichlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
606202 2,6-Dinitrotoluene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
53963 2-Acetylamino-fluorene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
91587 2-Chloronaphthalene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
95578 2-Chlorophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
91576 2-Methylnaphthalene	2610 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
95487 2-Methylphenol	93.7 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
88744 2-Nitroaniline	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
88755 2-Nitrophenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
109068 2-Picoline (2-Methylpyridine)	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
1319773 3,8,4-Methylphenol	244 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
91941 3,3'-Dichlorobenzidine	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
56495 3-Methylcholanthrene	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
99092 3-Nitroaniline	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
534521 4,6-Dinitro-2-methylphenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
92671 4-Aminobiphenyl	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
101553 4-Bromophenyl-phenyl ether	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
59507 4-Chloro-3-methylphenol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For
Bureau Of Investigations

Sample ID: 2367 282

Date Collected: 10/11/2016 12:55:00 PM

Lab Sample ID: 02016007612

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
106478 4-Chloroaniline	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
7005723 4-Chlorophenyl-phenyl ether	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
100016 4-Nitroaniline	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
100027 4-Nitrophenol	365 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
99558 5-Nitro-0-toluidine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
57976 7,12-Dimethylbenz(a)-anthracen	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
83329 Acenaphthene	6580 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
208968 Acenaphthylene	83.3 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
98862 Acetophenone	146 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
62533 Aniline	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
120127 Anthracene	11100 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
140578 Aramite	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
98555 a-Terpineol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
56563 Benz(a)anthracene	4500 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
50328 Benz(a)pyrene	1550 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
205992 Benz(b)fluoranthene	2940 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
191242 Benz(o,g,h,i)perylene	271 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
Low-level LFB recovery low. Reporting limit may be biased low. Continuing calibration recovers low. Results may be biased low.				
207089 Benzoc(k)fluoranthene	1180 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
100516 Benzyl alcohol	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
111911 bis(2-Chloroethoxy)methane	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
111444 bis(2-Chloroethyl)ether	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
117817 bis(2-Ethylhexyl)phthalate	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
85687 Butylbenzylphthalate	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
510156 Chlorobenzilate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
218019 Chrysene	4960 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
2303164 Diallate (Cis & Trans)	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
53703 Dibenz(a,h)anthracene	108 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recovers low. Results may be biased low.				
132649 Dibenzofuran	5330 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
84662 Diethylphthalate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
60515 Dimethoate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
60117 Dimethylaminoazobenzene	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
131113 Dimethylphthalate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
84742 Di-n-butylphthalate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
117840 Di-n-octylphthalate	36.5 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For
Bureau Of Investigations

Sample ID: 2367 282

Date Collected: 10/11/2016 12:55:00 PM

Lab Sample ID: Q2016007612

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
88857 Dinoseb	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
Low-level LFB recovery low. Reporting limit may be biased low.				
122394 Diphenylamine	146 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
298044 Disulfoton	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
62500 Ethyl methanesulfonate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
56382 Ethyl Parathion	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
EXTRACTED DATE				
206440 Fluoranthene	27400 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
86737 Fluorene	8020 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
118741 Hexachlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
87683 Hexachlorobutadiene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
77474 Hexachlorocyclopentadiene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recoveries low. Results may be biased low.				
67721 Hexachloroethane	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
1888717 Hexachloropropene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
193395 Indeno-1,2,3-cd-pyrene	322 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recoveries low. Results may be biased low. Reporting limit may be biased low.				
465736 Isodfn	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
78591 Isophorone	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
120581 Isosafrole	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
66273 Methyl Methanesulfonate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
298000 Methyl Parathion	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
91203 Naphthalene	3680 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
98953 Nitrobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
924163 N-Nitrosodibutylamine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
55185 N-Nitrosodietylamine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
62759 N-Nitrosodimethylamine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
621647 N-Nitrosodipropylamine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
10595956 N-Nitrosomethylethylamine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
59892 N-Nitrosomorpholine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
100754 N-nitrosopiperidine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
930552 N-Nitrosopyrrolidine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
126681 O,O,O-Triethylphosphorothioate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
95534 o-Toluidine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
76017 Pentachloroethane	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
608935 Pentachlorobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For
Bureau Of Investigations

Lab Sample ID: Q2016007612

Status: Completed

Sample ID: 2367 282

Date Collected: 10/11/2016 12:55:00 PM

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
82688 Pentachloronitrobenzene	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
87865 Pentachlorophenol	146 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
85018 Phenanthrene	37500 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
108952 Phenol	326 MG/KG	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
298022 Phorate	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
23950585 Pronamide	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
129000 Pyrene	14100 MG/KG (Q)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
110861 Pyridine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
94597 Saflrole	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
3689245 Sulfotep	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D
297972 Thionazine	73.0 MG/KG (U)	10/25/2016 02:00 AM	CARWALTER	EPA 8270D

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.



Date of Issue: 10/29/2016 04:03:57
 DEP Bureau of Laboratories - Harrisburg
 P.O. Box 1467
 2575 Interstate Drive
 Harrisburg, PA 17105-1467
 Contact Phone Number: (717) 346-7200

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

Sample ID: 2367282 Date Collected: 10/11/2016 12:55:00 PM Status: Completed
 Analytical Report For
 Bureau Of Investigations Lab Sample ID: Q2016007614

Name of Sample Collector: Tony Martinelli
 Date Received: 10/12/2016
 County: Somerset
 Municipality: Elk Lick Twp
 State:

Sample Medium: Wood
 Sample Medium Type: Wood

Location: Rail Road tie
 Reason: Investigation
 Project: NOT INDICATED
 Suite: LVMR
 Matrix: Soil

Legal Seal: 1074138 Intact: Yes
 Stream Condition:

Sample Comment: using cordless drill and 1/2 inch augur bit
 Sample Lab Comment: Legal seal number 1074138 verified JUBBLACK Not Covered Under NJ NELAP Accreditation
 Appearance: blk wood

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
EXTRACTED DATE	10242016 Day	10/27/2016 01:21 PM	MESPECHT	MESPECHT
IR	IR	10/27/2016 01:21 PM	MESPECHT	MESPECHT

Analytical Report For
Bureau Of Investigations

Sample ID: 2367 282

Date Collected: 10/11/2016 12:55:00 PM

Lab Sample ID: O2016007614

Status: Completed

Test Codes / CAS # - Description

Reported Results

Date And Time Analyzed

Analyst

Test Method

The IR scan cannot identify the compound that is present in this sample due to an unknown spectrum.

10/24/2016 11:59 AM

MESPECHT

UV UV

The UV analysis indicates a petroleum product is present in this sample, possibly coal tar.
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.

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Taru Upadhyay, Technical Director, Bureau of Laboratories

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- Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.
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