



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

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 280

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

Lab Sample ID: O2016007609

Status: Completed

Name of Sample Collector: Tony Martinelli

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: SV-SW

Matrix: Soil

Legal Seal: 1074135 Intact: Yes

Stream Condition:

Sample Lab Comment: Most compounds failed low in the MS of this sample. This is believed to be due to a preparation error, therefore MS results were not used to evaluate the native sample. This sample contained the following Tentatively Identified Compounds: low levels of alkanes in the range C9 to C20; hexathiane; substituted biphenyls; miscellaneous substituted PAHs.

Appearance: gray blk gritty soil

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
95943 1,2,4,5-Tetrachlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
120821 1,2,4-Trichlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D

Sample ID: 2367 280

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

Lab Sample ID: O2016007609

Status: Completed

Analytical Report For  
Bureau Of Investigations

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
95501 1,2-Dichlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
541731 1,3-Dichlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
99650 1,3-Dinitrobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
106467 1,4-Dichlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
130154 1,4-Naphthoquinone	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
90131 1-Chloronaphthalene	0.26 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
90120 1-Methylnaphthalene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
108-60-1 2,2'-oxybis(1-Chloropropane)	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
58902 2,3,4,6-Tetrachlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
95954 2,4,5-Trichlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
88062 2,4,6-Trichlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
120832 2,4-Dichlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
105679 2,4-Dimethylphenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
51285 2,4-Dinitrophenol	2.9 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
The second source standard recovery was low. Results and/or reporting limits may be biased low. Low-level LFB recovery low. Reporting limit may be biased low. Continuing calibration recovers low. Results may be biased low.				
121142 2,4-Dinitrotoluene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
87650 2,6-Dichlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
606202 2,6-Dinitrotoluene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
53963 2-Acetylaminofluorene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
91587 2-Chloronaphthalene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
95578 2-Chlorophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
91576 2-Methylnaphthalene	0.46 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
95487 2-Methylphenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
88744 2-Nitroaniline	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
88755 2-Nitrophenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
109068 2-Picoline (2-Methylpyridine)	1.1 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
1319773 3,8,4-Methylphenol	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
91941 3,3'-Dichlorobenzidine	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
56495 3-Methylcholanthrene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
99092 3-Nitroaniline	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
534521 4,6-Dinitro-2-methylphenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recovers low. Results may be biased low.				
92671 4-Aminobiphenyl	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
101553 4-Bromophenylphenyl ether	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
59507 4-Chloro-3-methylphenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For  
Bureau Of Investigations

Sample ID: 2367 280

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

Lab Sample ID: O2016007609

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
106478 4-Chloroaniline	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
7005723 4-Chlorophenyl-phenyl ether	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
100016 4-Nitroaniline	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
100027 4-Nitrophenol	2.9 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
99558 5-Nitro-o-toluidine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
57976 7,12-Dimethylbenz(a)-anthracen	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
83329 Acenaphthene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
208968 Acenaphthylene	1.1 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
98862 Acetophenone	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
62533 Aniline	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
120127 Anthracene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
140578 Aramite	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
98555 a-Terpineol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
56553 Benz(a)anthracene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
50328 Benz(a)pyrene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
205992 Benz(o,b)fluoranthene	0.45 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
191242 Benz(o,g,h,i)perylene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Low-level LFB recovery low. Reporting limit may be biased low. Continuing calibration recoveries low. Results may be biased low.				
207089 Benz(o,k)fluoranthene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
100516 Benzyl alcohol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
111911 bis(2-Chloroethoxy)methane	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
111444 bis(2-Chloroethyl)ether	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
117817 bis(2-Ethylhexyl)phthalate	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
85687 Butylbenzylphthalate	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
510156 Chlorobenzilate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
218019 Chrysene	0.62 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
2303164 Diallate (Cis & Trans)	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
53703 Dibenzo(a,h)anthracene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recoveries low. Results may be biased low.				
132649 Dibenzofuran	0.32 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
84662 Diethylphthalate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
60515 Dimethoate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
60117 Dimethylaminoazobenzene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
131113 Dimethylphthalate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
84742 Di-n-butylphthalate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
117840 Di-n-octylphthalate	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For  
Bureau Of Investigations

Sample ID: 2367 280

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

Lab Sample ID: Q2016007609

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
88857 Dinoseb	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Low-level LFB recovery low. Reporting limit may be biased low. Continuing calibration recoveries low. Results may be biased low.				
122394 Diphenylamine	1.1 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
298044 Disulfoton	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
62500 Ethyl methanesulfonate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
56382 Ethyl Parathion	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
EXTRACTED DATE				
206440 Fluoranthene	0.83 MG/KG	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
86737 Fluorene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
118741 Hexachlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
87683 Hexachlorobutadiene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
77474 Hexachlorocyclopentadiene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recoveries low. Results may be biased low.				
67721 Hexachloroethane	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
1888717 Hexachloropropene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
193395 Indeno-1,2,3-cd-pyrene	0.29 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
Continuing calibration recoveries low. Results may be biased low. Low-level LFB recovery low. Reporting limit may be biased low.				
465736 Isodrin	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
78591 Isophorone	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
120581 Isosafrole	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
66273 Methyl Methanesulfonate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
298000 Methyl Parathion	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
91203 Naphthalene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
98953 Nitrobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
924163 N-Nitrosodibutylamine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
55185 N-Nitrosodietylamine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
62759 N-Nitrosodimethylamine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
621647 N-Nitrosodipropylamine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
10596956 N-Nitrosomethylamine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
59892 N-Nitrosomorpholine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
100754 N-nitrosopiperidine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
930552 N-Nitrosopyrrolidine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
126681 O,O-O-Triethylphosphorothioate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
95534 o-Toluidine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
76017 Pentachlorethane	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
608935 Pentachlorobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D

Analytical Report For  
Bureau Of Investigations

Sample ID: 2367 280

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

Lab Sample ID: Q2016007609

Status: Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
82688 Pentachloronitrobenzene	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
87865 Pentachlorophenol	0.84 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
85018 Phenanthrene	1.2 MG/KG	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
108952 Phenol	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
298022 Phorate	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
23950585 Pronamide	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
129000 Pyrene	0.35 MG/KG	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
110861 Pyridine	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
94597 Saffrole	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
3689245 Sulfotep	0.57 MG/KG (U)	10/23/2016 02:00 AM	CARWALTER	EPA 8270D
297972 Thionazine	0.57 MG/KG (U)	10/23/2016 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 04:02:40

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 280 Date Collected: 10/11/2016 12:03:00 PM Lab Sample ID: O2016007611 Status: Completed

Name of Sample Collector: Tony Martinelli  
Date Received: 10/12/2016

County: Somerset  
Municipality: Elk Lick Twp

Sample Medium: Soil  
Sample Medium Type: Soil

Location: N end of site  
Reason: Investigation  
Project: NOT INDICATED  
Suite: UVIR  
Matrix: Soil

Legal Seal: 1074135 Intact: Yes  
Stream Condition:

Sample Lab Comment: Legal seal number 1074135 verified JUBBLACK. Not Covered Under NJ NELAP Accreditation  
Appearance: gray blk gritty soil

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
EXTRACTED DATE	10242016 Day	10/27/2016 09:31 AM	MESPECHT	MESPECHT
IR		10/27/2016 09:31 AM	MESPECHT	MESPECHT

The IR scan cannot positively identify the compound that is present in this sample. The IR spectrum has characteristics similar to a petroleum based lubricant.

Analytical Report For  
Bureau Of Investigations

Sample ID: 2367 280

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

Lab Sample ID: 02016007611

Status: Completed

**Test Codes / CAS # - Description**

**Reported Results**

**Date And Time Analyzed**

**Analyst**

**Test Method**

UV UV

10/24/2016 03:13 PM

MESPECHT

The UV analysis indicates an organic compound is present in this sample but cannot be identified due to an unknown spectrum.

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 analyses co-elute with compound. Identification unable to be confirmed.



Date of Issue: 10/29/2016 04:02:39

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

Sample ID: 2367 280

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

Lab Sample ID: O2016007610

Status: Completed

Analytical Report For  
Bureau Of Investigations

Name of Sample Collector: Tony Martinelli

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: LOPAH

Matrix: Soil

Legal Seal: 1074135 Intact: Yes

Stream Condition:

Sample Lab Comment: Legal seal number 1074135 verified JUBBLACK.

Appearance: gray blk gritty soil

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
90120 1-Methylnaphthalene	186 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Mid-level LCS recovery low. Results may be biased low. 91576 2-Methylnaphthalene	350 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM



Sample ID: 2367 280

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

Lab Sample ID: Q2016007610

Status: Completed

Analytical Report For  
Bureau Of Investigations

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
Mid-level LCS recovery low. Results may be biased low. 56495 3-Methylcholanthrene	11.6 UG/KG (U)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Matrix spike recoveries low. Results and/or reporting limits may be biased low. 57976 7-12-Dimethylbenz(a)-anthracen	5.80 UG/KG (U)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
The second source standard recovery was low. Results and/or reporting limits may be biased low. 83329 Acenaphthene	58.4 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Mid-level LCS recovery low. Results may be biased low. 208968 Acenaphthylene	5.80 UG/KG (U)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Mid-level LCS recovery low. Results may be biased low. 120127 Anthracene	39.4 UG/KG (QB)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Matrix spike recoveries low. Results and/or reporting limits may be biased low. 56553 Benz(a)anthracene	156 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
50328 Benzo(a)pyrene	52.3 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
56832736 Benzo(b&g)fluoranthenes	287 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
192972 Benzo(e)pyrene	137 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
191242 Benzo(g,h,i)perylene	41.4 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Mid-level LCS recovery low. Results may be biased low. Matrix spike recoveries low. Results and/or reporting limits may be biased low. 207089 Benzo(k)fluoranthene	63.0 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
218019 Chrysene	464 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
53703 Dibenzo(a,h)anthracene	18.4 UG/KG	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Continuing calibration recoveries low. Results may be biased low. 132649 Dibenzofuran	263 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
EXTRACTED DATE	10172016 Day	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
206440 Fluoranthene	968 UG/KG	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
86737 Fluorene	138 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
193395 Indeno-1,2,3-cd-pyrene	64.6 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
91203 Naphthalene	160 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Mid-level LCS recovery low. Results may be biased low. 87865 Pentachlorophenol	1230 UG/KG	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
Not Covered Under NJ NELAP Accreditation 85018 Phenanthrene	1100 UG/KG	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM
129000 Pyrene	404 UG/KG (Q)	10/26/2016 02:00 AM	CARWALTER	EPA 8270D-SIM

Analytical Report For  
Bureau Of Investigations

Sample ID: 2367 280

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

Lab Sample ID: O2016007610

Status: Completed

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 PALAP

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.