Date of Issue: 02/27/2019 04:04:22

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 031 **Date Collected:** 02/07/2019 12:10:00 PM **Lab Sample ID:** O2019000864 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/08/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
10 BRENNAN ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 10 Brennan - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	6.57 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 031 **Date Collected:** 02/07/2019 12:10:00 PM **Lab Sample ID:** O2019000864 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75343 1,1-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75354 1,1-Dichloroethene	6.46 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
563586 1,1-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87616 1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
96184 1,2,3-Trichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
120821 1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95636 1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95501 1,2-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
107062 1,2-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78875 1,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108678 1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
541731 1,3-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
142289 1,3-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106467 1,4-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
594207 2,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78933 2-Butanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
591786 2-Hexanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
99876 4-Isopropyltoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108101 4-Methyl-2-pentanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67641 Acetone	6.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71432 Benzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108861 Bromobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74975 Bromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75274 Bromodichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75252 Bromoform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74839 Bromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75150 Carbon disulfide	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
56235 Carbon tetrachloride	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108907 Chlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75003 Chloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75014 Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67663 Chloroform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74873 Chloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
156592 cis-1,2-Dichloroethene	43.8 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061015 cis-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
124481 Dibromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 031 **Date Collected:** 02/07/2019 12:10:00 PM **Lab Sample ID:** O2019000864 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	11.2 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	222 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Date of Issue: 08/13/2024 11:29:11

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 012 **Date Collected:** 08/26/2015 10:40:00 AM **Lab Sample ID:** O2015006360 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 08/27/2015

County: Bucks **State:**
Municipality: Nockamixon Twp
10 CORD WAY

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 10 Cord Way
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
71556 1,1,1-Trichloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79005 1,1,2-Trichloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 012 **Date Collected:** 08/26/2015 10:40:00 AM **Lab Sample ID:** O2015006360 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75343 1,1-Dichloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75354 1,1-Dichloroethene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
563586 1,1-Dichloropropene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
87616 1,2,3-Trichlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
96184 1,2,3-Trichloropropane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
120821 1,2,4-Trichlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95636 1,2,4-Trimethylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95501 1,2-Dichlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
107062 1,2-Dichloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
78875 1,2-Dichloropropane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108678 1,3,5-Trimethylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
541731 1,3-Dichlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
142289 1,3-Dichloropropane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
106467 1,4-Dichlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
594207 2,2-Dichloropropane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
78933 2-Butanone	1.25 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
591786 2-Hexanone	1.25 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
99876 4-Isopropyltoluene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108101 4-Methyl-2-pentanone	1.25 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
67641 Acetone	1.25 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
71432 Benzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108861 Bromobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74975 Bromochloromethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75274 Bromodichloromethane	1.00 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75252 Bromoform	1.00 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74839 Bromomethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
56235 Carbon tetrachloride	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108907 Chlorobenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75003 Chloroethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75014 Chloroethene (vinyl chloride)	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
67663 Chloroform	1.00 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74873 Chloromethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
156592 cis-1,2-Dichloroethene	0.409 ug/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
10061015 cis-1,3-Dichloropropene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
124481 Dibromochloromethane	1.00 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74953 Dibromomethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 012 **Date Collected:** 08/26/2015 10:40:00 AM **Lab Sample ID:** O2015006360 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75718	Dichlorodifluoromethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75092	Dichloromethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
100414	Ethylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
87683	Hexachlorobutadiene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
98828	Isopropylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108383	m/p-Xylenes	0.500 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
1634044	Methyl-tert-butyl Ether	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
91203	Naphthalene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
104518	n-Butylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
103651	n-Propylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95498	o-Chlorotoluene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95476	o-Xylene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
106434	p-Chlorotoluene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
135988	Sec-Butylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
100425	Styrene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75650	t-Butyl alcohol	2.50 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
98066	Tert-Butylbenzene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
127184	Tetrachloroethene	0.496 ug/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108883	Toluene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79016	Trichloroethene	5.83 ug/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75694	Trichlorofluoromethane	0.250 ug/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

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.

Date of Issue: 02/27/2019 04:04:23

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:** 02/07/2019 02:40:00 PM **Lab Sample ID:** O2019000865 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/08/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
24 TOWER ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 24 Tower - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 034 **Date Collected:** 02/07/2019 02:40:00 PM **Lab Sample ID:** O2019000865 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	2.58 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	5.34 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	6.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	21.6 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 034 **Date Collected:** 02/07/2019 02:40:00 PM **Lab Sample ID:** O2019000865 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	3.28 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	7.63 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Post

Lab Sample ID: 410-138170-5

Date Collected: 08/08/23 10:40

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 18:26	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			08/11/23 18:26	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			08/11/23 18:26	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 18:26	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
2-Butanone	ND		5.0	2.0	ug/L			08/11/23 18:26	1
2-Hexanone	ND		5.0	1.0	ug/L			08/11/23 18:26	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			08/11/23 18:26	1
Acetone	ND		10	3.0	ug/L			08/11/23 18:26	1
Benzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Bromodichloromethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Bromoform	ND		0.50	0.20	ug/L			08/11/23 18:26	1
Bromomethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Carbon disulfide	ND		2.0	0.40	ug/L			08/11/23 18:26	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Chloroethane	ND		0.50	0.20	ug/L			08/11/23 18:26	1
Chloroform	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Chloromethane	ND		0.50	0.20	ug/L			08/11/23 18:26	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Dibromochloromethane	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			08/11/23 18:26	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Freon 113	ND	!	0.50	0.20	ug/L			08/11/23 18:26	1
Isopropylbenzene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/11/23 18:26	1
Styrene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Toluene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Trichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			08/11/23 18:26	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/11/23 18:26	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/11/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*80 - 120*		*08/11/23 18:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/11/23 18:26*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Post

Lab Sample ID: 410-138170-5

Date Collected: 08/08/23 10:40

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.070	0.032	ug/L		08/30/23 08:52	08/30/23 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*74*		*70 - 130*	*08/30/23 08:52*	*08/30/23 21:29*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Mid

Lab Sample ID: 410-138170-6

Date Collected: 08/08/23 10:45

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 18:48	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			08/11/23 18:48	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			08/11/23 18:48	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 18:48	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
2-Butanone	ND		5.0	2.0	ug/L			08/11/23 18:48	1
2-Hexanone	ND		5.0	1.0	ug/L			08/11/23 18:48	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			08/11/23 18:48	1
Acetone	ND		10	3.0	ug/L			08/11/23 18:48	1
Benzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Bromodichloromethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Bromoform	ND		0.50	0.20	ug/L			08/11/23 18:48	1
Bromomethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Carbon disulfide	ND		2.0	0.40	ug/L			08/11/23 18:48	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Chloroethane	ND		0.50	0.20	ug/L			08/11/23 18:48	1
Chloroform	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Chloromethane	ND		0.50	0.20	ug/L			08/11/23 18:48	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Dibromochloromethane	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			08/11/23 18:48	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Freon 113	ND	!	0.50	0.20	ug/L			08/11/23 18:48	1
Isopropylbenzene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/11/23 18:48	1
Styrene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Toluene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Trichloroethene	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			08/11/23 18:48	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/11/23 18:48	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/11/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*80 - 120*		*08/11/23 18:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/11/23 18:48*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Mid

Lab Sample ID: 410-138170-6

Date Collected: 08/08/23 10:45

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.16		0.070	0.032	ug/L		08/30/23 08:52	08/30/23 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*75*		*70 - 130*	*08/30/23 08:52*	*08/30/23 21:51*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Pre

Lab Sample ID: 410-138170-7

Date Collected: 08/08/23 10:50

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**17**		0.50	0.10	ug/L			08/11/23 19:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
1,1,2-Trichloroethane	**0.62**		0.50	0.10	ug/L			08/11/23 19:10	1
1,1-Dichloroethane	**0.73**		0.50	0.10	ug/L			08/11/23 19:10	1
1,1-Dichloroethene	**20**		0.50	0.10	ug/L			08/11/23 19:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 19:10	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			08/11/23 19:10	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			08/11/23 19:10	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			08/11/23 19:10	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
2-Butanone	ND		5.0	2.0	ug/L			08/11/23 19:10	1
2-Hexanone	ND		5.0	1.0	ug/L			08/11/23 19:10	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			08/11/23 19:10	1
Acetone	ND		10	3.0	ug/L			08/11/23 19:10	1
Benzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Bromodichloromethane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Bromoform	ND		0.50	0.20	ug/L			08/11/23 19:10	1
Bromomethane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Carbon disulfide	ND		2.0	0.40	ug/L			08/11/23 19:10	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Chloroethane	ND		0.50	0.20	ug/L			08/11/23 19:10	1
Chloroform	**0.25**	**J**	0.50	0.10	ug/L			08/11/23 19:10	1
Chloromethane	ND		0.50	0.20	ug/L			08/11/23 19:10	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Dibromochloromethane	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			08/11/23 19:10	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Freon 113	ND	!	0.50	0.20	ug/L			08/11/23 19:10	1
Isopropylbenzene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Methylene Chloride	**0.48**	**J**	0.50	0.20	ug/L			08/11/23 19:10	1
Styrene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Tetrachloroethene	**17**		0.50	0.10	ug/L			08/11/23 19:10	1
Toluene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
trans-1,2-Dichloroethene	**0.99**		0.50	0.10	ug/L			08/11/23 19:10	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			08/11/23 19:10	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/11/23 19:10	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/11/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*80 - 120*		*08/11/23 19:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/11/23 19:10*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-138170-1

Client Sample ID: 55 Brennan Pre

Lab Sample ID: 410-138170-7

Date Collected: 08/08/23 10:50

Matrix: Drinking Water

Date Received: 08/09/23 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	110		25	5.0	ug/L			08/12/23 21:08	50
Trichloroethene	760		25	5.0	ug/L			08/12/23 21:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*08/12/23 21:08*	*50*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/12/23 21:08*	*50*

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.3		0.070	0.032	ug/L		08/30/23 08:52	08/30/23 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*76*		*70 - 130*	*08/30/23 08:52*	*08/30/23 22:13*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 65 Brennan Post

Date Collected: 05/23/24 12:50
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-8

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 20:20	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 20:20	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 20:20	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 20:20	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 20:20	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 20:20	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 20:20	1
Acetone	ND		10	3.0	ug/L			06/04/24 20:20	1
Benzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 20:20	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 20:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 20:20	1
Chloroform	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 20:20	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 20:20	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 20:20	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 20:20	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Tetrachloroethene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Trichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 20:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 20:20	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*107*		*80 - 120*		*06/04/24 20:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/04/24 20:20*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 65 Brennan Post

Date Collected: 05/23/24 12:50
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-8

Matrix: Drinking Water

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.070	0.062	ug/L		06/04/24 08:09	06/04/24 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*106*		*70 - 130*	*06/04/24 08:09*	*06/04/24 20:04*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 65 Brennan Mid

Date Collected: 05/23/24 12:55
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-9

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 20:43	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 20:43	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 20:43	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 20:43	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 20:43	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 20:43	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 20:43	1
Acetone	ND		10	3.0	ug/L			06/04/24 20:43	1
Benzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 20:43	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 20:43	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 20:43	1
Chloroform	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 20:43	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 20:43	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 20:43	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 20:43	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Tetrachloroethene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Trichloroethene	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 20:43	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 20:43	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*106*		*80 - 120*		*06/04/24 20:43*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/04/24 20:43*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 65 Brennan Mid

Date Collected: 05/23/24 12:55
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-9

Matrix: Drinking Water

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.070	0.062	ug/L		06/04/24 08:09	06/04/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*112*		*70 - 130*	*06/04/24 08:09*	*06/04/24 20:29*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 65 Brennan Pre

Date Collected: 05/23/24 13:00
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-10

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**30**		0.50	0.10	ug/L			06/04/24 21:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 21:07	1
1,1,2-Trichloroethane	**1.0**		0.50	0.10	ug/L			06/04/24 21:07	1
1,1-Dichloroethane	**2.2**		0.50	0.10	ug/L			06/04/24 21:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 21:07	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 21:07	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 21:07	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 21:07	1
1,2-Dichloroethane	**0.12**	**J**	0.50	0.10	ug/L			06/04/24 21:07	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 21:07	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 21:07	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 21:07	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 21:07	1
Acetone	ND		10	3.0	ug/L			06/04/24 21:07	1
Benzene	**0.10**	**J**	0.50	0.10	ug/L			06/04/24 21:07	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 21:07	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 21:07	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 21:07	1
Chloroform	**0.51**		0.50	0.10	ug/L			06/04/24 21:07	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 21:07	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 21:07	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 21:07	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 21:07	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
trans-1,2-Dichloroethene	**2.1**		0.50	0.10	ug/L			06/04/24 21:07	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 21:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 21:07	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*113*		*80 - 120*		*06/04/24 21:07*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*06/04/24 21:07*	*1*

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**58**		13	2.5	ug/L			06/05/24 18:45	25
cis-1,2-Dichloroethene	**270**		13	2.5	ug/L			06/05/24 18:45	25

Client Sample ID: 65 Brennan Pre

Lab Sample ID: 410-173405-10

Date Collected: 05/23/24 13:00
Date Received: 05/24/24 13:25

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	47		13	2.5	ug/L			06/05/24 18:45	25
Trichloroethene	1100		13	2.5	ug/L			06/05/24 18:45	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*06/05/24 18:45*	*25*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/05/24 18:45*	*25*

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	30		0.70	0.62	ug/L		06/04/24 08:09	06/13/24 05:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*110*		*70 - 130*	*06/04/24 08:09*	*06/04/24 20:54*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: Duplicate

Date Collected: 05/23/24 13:05
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-11

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/05/24 17:10	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/05/24 17:10	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/05/24 17:10	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/05/24 17:10	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
2-Butanone	ND		5.0	2.0	ug/L			06/05/24 17:10	1
2-Hexanone	ND		5.0	1.0	ug/L			06/05/24 17:10	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/05/24 17:10	1
Acetone	ND		10	3.0	ug/L			06/05/24 17:10	1
Benzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Bromoform	ND		0.50	0.20	ug/L			06/05/24 17:10	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/05/24 17:10	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Chloroethane	ND		0.50	0.20	ug/L			06/05/24 17:10	1
Chloroform	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Chloromethane	ND		0.50	0.20	ug/L			06/05/24 17:10	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/05/24 17:10	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Freon 113	ND	!	0.50	0.20	ug/L			06/05/24 17:10	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/24 17:10	1
Styrene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Tetrachloroethene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Toluene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Trichloroethene	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/05/24 17:10	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/24 17:10	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/05/24 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*107*		*80 - 120*		*06/05/24 17:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/05/24 17:10*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: Duplicate

Date Collected: 05/23/24 13:05
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-11

Matrix: Drinking Water

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.070	0.062	ug/L		06/04/24 08:09	06/04/24 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*106*		*70 - 130*	*06/04/24 08:09*	*06/04/24 21:19*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Post

Lab Sample ID: 410-108714-5

Date Collected: 12/08/22 10:55
Date Received: 12/09/22 14:05

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			12/19/22 14:39	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			12/19/22 14:39	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			12/19/22 14:39	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
2-Butanone	ND		5.0	2.0	ug/L			12/19/22 14:39	1
2-Hexanone	ND		5.0	0.60	ug/L			12/19/22 14:39	1
4-Methyl-2-pentanone	ND		5.0	0.60	ug/L			12/19/22 14:39	1
Acetone	ND		10	3.0	ug/L			12/19/22 14:39	1
Benzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Bromodichloromethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Bromoform	ND		0.50	0.20	ug/L			12/19/22 14:39	1
Bromomethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Carbon disulfide	ND		2.0	0.40	ug/L			12/19/22 14:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Chlorobenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Chloroethane	ND		0.50	0.20	ug/L			12/19/22 14:39	1
Chloroform	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Chloromethane	ND		0.50	0.20	ug/L			12/19/22 14:39	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Dibromochloromethane	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			12/19/22 14:39	1
Ethylbenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Freon 113	ND	!	0.50	0.20	ug/L			12/19/22 14:39	1
Isopropylbenzene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/19/22 14:39	1
Styrene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Tetrachloroethene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Toluene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Trichloroethene	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			12/19/22 14:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/19/22 14:39	1
Xylenes, Total	ND		0.50	0.10	ug/L			12/19/22 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*80 - 120*		*12/19/22 14:39*	*1*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*12/19/22 14:39*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Post

Lab Sample ID: 410-108714-5

Date Collected: 12/08/22 10:55

Matrix: Drinking Water

Date Received: 12/09/22 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.28		0.070	0.032	ug/L		12/28/22 09:13	12/30/22 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*98*		*70 - 130*	*12/28/22 09:13*	*12/30/22 01:21*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Mid

Lab Sample ID: 410-108714-6

Date Collected: 12/08/22 11:00
Matrix: Drinking Water
Date Received: 12/09/22 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			12/16/22 18:11	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			12/16/22 18:11	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			12/16/22 18:11	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
2-Butanone	ND		5.0	2.0	ug/L			12/16/22 18:11	1
2-Hexanone	ND		5.0	0.60	ug/L			12/16/22 18:11	1
4-Methyl-2-pentanone	ND		5.0	0.60	ug/L			12/16/22 18:11	1
Acetone	ND		10	3.0	ug/L			12/16/22 18:11	1
Benzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Bromodichloromethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Bromoform	ND		0.50	0.20	ug/L			12/16/22 18:11	1
Bromomethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Carbon disulfide	ND		2.0	0.40	ug/L			12/16/22 18:11	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Chlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Chloroethane	ND		0.50	0.20	ug/L			12/16/22 18:11	1
Chloroform	**0.56**		0.50	0.10	ug/L			12/16/22 18:11	1
Chloromethane	ND		0.50	0.20	ug/L			12/16/22 18:11	1
cis-1,2-Dichloroethene	**0.40**	**J**	0.50	0.10	ug/L			12/16/22 18:11	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Dibromochloromethane	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:11	1
Ethylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Freon 113	ND	!	0.50	0.20	ug/L			12/16/22 18:11	1
Isopropylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/16/22 18:11	1
Styrene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Tetrachloroethene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Toluene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Trichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:11	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/16/22 18:11	1
Xylenes, Total	ND		0.50	0.10	ug/L			12/16/22 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*80 - 120*		*12/16/22 18:11*	*1*
4-Bromofluorobenzene (Surr)	*84*		*80 - 120*		*12/16/22 18:11*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Mid

Lab Sample ID: 410-108714-6

Date Collected: 12/08/22 11:00

Matrix: Drinking Water

Date Received: 12/09/22 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.28		0.070	0.032	ug/L		12/28/22 09:13	12/30/22 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*90*		*70 - 130*	*12/28/22 09:13*	*12/30/22 02:07*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Pre

Lab Sample ID: 410-108714-7

Date Collected: 12/08/22 11:05
Matrix: Drinking Water
Date Received: 12/09/22 14:05

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			12/16/22 18:34	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			12/16/22 18:34	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			12/16/22 18:34	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
2-Butanone	ND		5.0	2.0	ug/L			12/16/22 18:34	1
2-Hexanone	ND		5.0	0.60	ug/L			12/16/22 18:34	1
4-Methyl-2-pentanone	ND		5.0	0.60	ug/L			12/16/22 18:34	1
Acetone	ND		10	3.0	ug/L			12/16/22 18:34	1
Benzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Bromodichloromethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Bromoform	ND		0.50	0.20	ug/L			12/16/22 18:34	1
Bromomethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Carbon disulfide	ND		2.0	0.40	ug/L			12/16/22 18:34	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Chlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Chloroethane	ND		0.50	0.20	ug/L			12/16/22 18:34	1
Chloroform	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Chloromethane	ND		0.50	0.20	ug/L			12/16/22 18:34	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Dibromochloromethane	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:34	1
Ethylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Freon 113	ND	!	0.50	0.20	ug/L			12/16/22 18:34	1
Isopropylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/16/22 18:34	1
Styrene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Tetrachloroethene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Toluene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Trichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:34	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/16/22 18:34	1
Xylenes, Total	ND		0.50	0.10	ug/L			12/16/22 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*80 - 120*		*12/16/22 18:34*	*1*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*12/16/22 18:34*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: 77 Brennan Pre

Lab Sample ID: 410-108714-7

Date Collected: 12/08/22 11:05

Matrix: Drinking Water

Date Received: 12/09/22 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.30		0.070	0.032	ug/L		12/28/22 09:13	12/30/22 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*98*		*70 - 130*	*12/28/22 09:13*	*12/30/22 02:29*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: Duplicate

Date Collected: 12/08/22 11:10
Date Received: 12/09/22 14:05

Lab Sample ID: 410-108714-8

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			12/16/22 18:56	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			12/16/22 18:56	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			12/16/22 18:56	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
2-Butanone	ND		5.0	2.0	ug/L			12/16/22 18:56	1
2-Hexanone	ND		5.0	0.60	ug/L			12/16/22 18:56	1
4-Methyl-2-pentanone	ND		5.0	0.60	ug/L			12/16/22 18:56	1
Acetone	ND		10	3.0	ug/L			12/16/22 18:56	1
Benzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Bromodichloromethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Bromoform	ND		0.50	0.20	ug/L			12/16/22 18:56	1
Bromomethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Carbon disulfide	ND		2.0	0.40	ug/L			12/16/22 18:56	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Chlorobenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Chloroethane	ND		0.50	0.20	ug/L			12/16/22 18:56	1
Chloroform	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Chloromethane	ND		0.50	0.20	ug/L			12/16/22 18:56	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Dibromochloromethane	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:56	1
Ethylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Freon 113	ND	!	0.50	0.20	ug/L			12/16/22 18:56	1
Isopropylbenzene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/16/22 18:56	1
Styrene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Tetrachloroethene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Toluene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Trichloroethene	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			12/16/22 18:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/16/22 18:56	1
Xylenes, Total	ND		0.50	0.10	ug/L			12/16/22 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*80 - 120*		*12/16/22 18:56*	*1*
4-Bromofluorobenzene (Surr)	*81*		*80 - 120*		*12/16/22 18:56*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-108714-1

Client Sample ID: Duplicate

Lab Sample ID: 410-108714-8

Date Collected: 12/08/22 11:10

Matrix: Drinking Water

Date Received: 12/09/22 14:05

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)

Lab: Eurofins Eaton South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.28		0.070	0.032	ug/L		12/28/22 09:13	12/30/22 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*96*		*70 - 130*	*12/28/22 09:13*	*12/30/22 02:52*	*1*

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 01/16/2013 11:00:00 AM

County: Bucks State: PA
Municipality: Nockamixon Twp

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84 BRENNAN PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 84 BRennan Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2013000426 Date Received: 01/16/2013 Completed
Suite: VOADW

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
78933	MEK	1.25 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	16.0 UG/L	01/19/2013 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	1.29 UG/L	01/19/2013 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
71556	1,1,1-Trichloroethane	0.709 UG/L	01/19/2013 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.643 UG/L	01/19/2013 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
156592	cis-1,2-Dichloroethene	2.34 UG/L	01/19/2013 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	01/19/2013 02:00 AM	DLY	EPA 524.2

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 04/25/2013 10:40:00 AM

County: NOT INDICATED State:
Municipality: NOT INDICATED

Sample Medium :
Sample Medium Type:

Location: 117 Tower Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2013003492 Date Received: 04/25/2013 Completed
Suite: VOADW

Lab Sample Comment: VOA vial had air bubbles present

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
78875	1,2-Dichloropropane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	11.0 UG/L	04/30/2013 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2

Analytical Report FOR

Sample ID: 2170 004 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
75650	t-Butyl alcohol	2.50 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.587 UG/L	04/30/2013 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.575 UG/L	04/30/2013 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.325 UG/L	04/30/2013 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	1.32 UG/L	04/30/2013 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
67641	Acetone	1.25 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2

Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
106934	1,2-Dibromoethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	04/30/2013 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Date of Issue: 02/27/2019 04:02:21

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 018 **Date Collected:** 02/04/2019 01:00:00 PM **Lab Sample ID:** O2019000768 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/05/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
133 TOWER ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 133 Tower - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	1.62 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 02/04/2019 01:00:00 PM **Lab Sample ID:** O2019000768 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75343 1,1-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75354 1,1-Dichloroethene	2.45 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
563586 1,1-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87616 1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
96184 1,2,3-Trichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
120821 1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95636 1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95501 1,2-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
107062 1,2-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78875 1,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108678 1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
541731 1,3-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
142289 1,3-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106467 1,4-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
594207 2,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78933 2-Butanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
591786 2-Hexanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
99876 4-Isopropyltoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108101 4-Methyl-2-pentanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67641 Acetone	6.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71432 Benzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108861 Bromobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74975 Bromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75274 Bromodichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75252 Bromoform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74839 Bromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75150 Carbon disulfide	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
56235 Carbon tetrachloride	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108907 Chlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75003 Chloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75014 Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67663 Chloroform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74873 Chloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
156592 cis-1,2-Dichloroethene	10.4 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061015 cis-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
124481 Dibromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 02/04/2019 01:00:00 PM **Lab Sample ID:** O2019000768 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	3.92 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	62.6 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/18/2012 12:15:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

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140 TOWER PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 140 Tower Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012496 Date Received: 12/18/2012 Completed
Suite: VOADW

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
74839	Bromomethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.332 UG/L	12/22/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	9.80 UG/L (Q)	12/22/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.630 UG/L	12/22/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.486 UG/L	12/22/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.399 UG/L	12/22/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	0.876 UG/L	12/22/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
71432	Benzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/22/2012 02:00 AM	DLY	EPA 524.2

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

****

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/13/2012 11:00:00 AM

County: Bucks State: PA
Municipality: Nockamixon Twp

GREIGER
149 TOWER PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 149 Tower Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012350 Date Received: 12/13/2012 Completed
Suite: VOADW

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	6.12 UG/L (Q)	12/19/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.357 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.363 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.262 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	0.569 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.672 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Date of Issue: 02/27/2019 04:02:20

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 009 **Date Collected:** 02/04/2019 10:45:00 AM **Lab Sample ID:** O2019000765 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/05/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
287 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 287 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	1.27 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 009 **Date Collected:** 02/04/2019 10:45:00 AM **Lab Sample ID:** O2019000765 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	1.69 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	6.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	2.24 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 009 **Date Collected:** 02/04/2019 10:45:00 AM **Lab Sample ID:** O2019000765 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
74953 Dibromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75718 Dichlorodifluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75092 Dichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100414 Ethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87683 Hexachlorobutadiene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98828 Isopropylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108383 m/p-Xylenes	1.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1634044 Methyl-tert-butyl Ether	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
91203 Naphthalene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
104518 n-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
103651 n-Propylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95498 o-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95476 o-Xylene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106434 p-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98566 PCTFB	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
135988 Sec-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100425 Styrene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75650 t-Butyl alcohol	5.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
540885 tert-Butyl Acetate	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98066 Tert-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
127184 Tetrachloroethene	1.36 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
109999 Tetrahydrofuran	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108883 Toluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1330207 Total Xylenes	0 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
156605 trans-1,2-Dichloroethene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061026 trans-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79016 Trichloroethene	35.4 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75694 Trichlorofluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108054 Vinyl Acetate	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Date of Issue: 04/03/2014 07:45:24

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report For
Environmental Cleanup

Sample ID: 2170 009 **Date Collected:** 03/19/2014 01:53:00 PM **Lab Sample ID:** O2014001741 **Status:** Completed

Name of Sample Collector: Margaret R Pollich
Date Received:

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

GLENN
294 PARK RAW

Sample Medium: Ground Water
Sample Medium Type: Water

Location: NOT INDICATED
Reason: Routine Sampling
Project: NOT INDICATED
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: TIC: Trimethylsilanol

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2170 009 **Date Collected:** 03/19/2014 01:53:00 PM **Lab Sample ID:** O2014001741 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
71556	1,1,1-Trichloroethane	0.281 UG/L	03/20/2014 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
67641	Acetone	1.25 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.258 UG/L	03/20/2014 02:00 AM	DLY	EPA 524.2
Low-level LFB recovery low. Reporting limit may be biased low.					
74873	Chloromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2170 009 **Date Collected:** 03/19/2014 01:53:00 PM **Lab Sample ID:** O2014001741 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
156592 cis-1,2-Dichloroethene	0.900 UG/L	03/20/2014 02:00 AM	DLY	EPA 524.2
10061015 cis-1,3-Dichloropropene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
124481 Dibromochloromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
74953 Dibromomethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75718 Dichlorodifluoromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
100414 Ethylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
87683 Hexachlorobutadiene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
98828 Isopropylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108383 m/p-Xylene	0.500 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
78933 MEK	1.25 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75092 Methylene Chloride	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108101 MIBK	1.25 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
91203 Naphthalene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
104518 n-Butylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
103651 n-Propylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
95498 o-Chlorotoluene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
95476 o-Xylene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
106434 p-Chlorotoluene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
135988 Sec-Butylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
100425 Styrene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
75650 t-Butyl alcohol	2.50 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
98066 Tert-Butylbenzene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
127184 Tetrachloroethene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
108883 Toluene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
156605 trans-1,2-Dichloroethene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2
79016 Trichloroethene	7.10 UG/L	03/20/2014 02:00 AM	DLY	EPA 524.2
75694 Trichlorofluoromethane	0.250 UG/L (U)	03/20/2014 02:00 AM	DLY	EPA 524.2

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of the 2009 TNI standards. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

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: 06/08/2017 04:01:36

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 009 **Date Collected:** 05/17/2017 10:45:00 AM **Lab Sample ID:** O2017003563 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/18/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
312 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 312 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 009 **Date Collected:** 05/17/2017 10:45:00 AM **Lab Sample ID:** O2017003563 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
79005 1,1,2-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75343 1,1-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75354 1,1-Dichloroethene	0.548 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
563586 1,1-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87616 1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
96184 1,2,3-Trichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
120821 1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95636 1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95501 1,2-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
107062 1,2-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78875 1,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108678 1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
541731 1,3-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
142289 1,3-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106467 1,4-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
594207 2,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
591786 2-Hexanone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
99876 4-Isopropyltoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67641 Acetone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71432 Benzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108861 Bromobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74975 Bromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75274 Bromodichloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75252 Bromoform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74839 Bromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75150 Carbon Disulfide	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
56235 Carbon Tetrachloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108907 Chlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75003 Chloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75014 Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67663 Chloroform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74873 Chloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156592 cis-1,2-Dichloroethene	0.713 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061015 cis-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
124481 Dibromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74953 Dibromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 009 **Date Collected:** 05/17/2017 10:45:00 AM **Lab Sample ID:** O2017003563 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75718	Dichlorodifluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100414	Ethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87683	Hexachlorobutadiene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98828	Isopropylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108383	m/p-Xylene	1.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78933	MEK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75092	Methylene Chloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108101	MIBK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
91203	Naphthalene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
104518	n-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
103651	n-Propylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95498	o-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95476	o-Xylene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106434	p-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
135988	Sec-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100425	Styrene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75650	t-Butyl alcohol	5.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98066	Tert-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
127184	Tetrachloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108883	Toluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156605	trans-1,2-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79016	Trichloroethene	11.2 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
75694	Trichlorofluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

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

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: 10/12/2019 04:01:33

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 006 **Date Collected:** 09/26/2019 10:55:00 AM **Lab Sample ID:** O2019007628 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 09/27/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
324 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 324 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 006 **Date Collected:** 09/26/2019 10:55:00 AM **Lab Sample ID:** O2019007628 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	6.00 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	0.562 ug/L	09/27/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 006 **Date Collected:** 09/26/2019 10:55:00 AM **Lab Sample ID:** O2019007628 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	09/27/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	9.07 ug/L	09/27/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	09/27/2019 02:00 AM	ALIU	EPA 524.3

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

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).

Taru Upadhyay, 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.

Date of Issue: 12/17/2019 04:10:06

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 018 **Date Collected:** 12/05/2019 08:50:00 AM **Lab Sample ID:** O2019010307 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 12/06/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
331 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 331 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
630206	1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
71556	1,1,1-Trichloroethane	1.94 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
79345	1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
79005	1,1,2-Trichloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 12/05/2019 08:50:00 AM **Lab Sample ID:** O2019010307 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	2.21 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	2.50 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	3.28 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 12/05/2019 08:50:00 AM **Lab Sample ID:** O2019010307 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
74953 Dibromomethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75718 Dichlorodifluoromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75092 Dichloromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
100414 Ethylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
87683 Hexachlorobutadiene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
98828 Isopropylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108383 m/p-Xylenes	1.00 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
1634044 Methyl-tert-butyl Ether	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
91203 Naphthalene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
104518 n-Butylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
103651 n-Propylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
95498 o-Chlorotoluene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
95476 o-Xylene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
106434 p-Chlorotoluene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
98566 PCTFB	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
135988 Sec-Butylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
100425 Styrene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
75650 t-Butyl alcohol	5.00 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
540885 tert-Butyl Acetate	2.50 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
Low-level LFB recovery low. Results and/or reporting limit may be biased low.				
98066 Tert-Butylbenzene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
127184 Tetrachloroethene	1.40 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
109999 Tetrahydrofuran	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108883 Toluene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
1330207 Total Xylenes	0 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
156605 trans-1,2-Dichloroethene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
10061026 trans-1,3-Dichloropropene	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
79016 Trichloroethene	47.6 ug/L	12/06/2019 02:00 AM	ALIU	EPA 524.3
75694 Trichlorofluoromethane	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3
108054 Vinyl Acetate	0.500 ug/L (U)	12/06/2019 02:00 AM	ALIU	EPA 524.3

Sample ID: 2128 018 **Date Collected:** 12/05/2019 08:50:00 AM **Lab Sample ID:** O2019010307 **Status:** Completed

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Taru Upadhyay, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

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X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 338 Park Post

Date Collected: 05/23/24 11:05
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-4

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:09	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 19:09	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 19:09	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:09	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 19:09	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 19:09	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 19:09	1
Acetone	ND		10	3.0	ug/L			06/04/24 19:09	1
Benzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 19:09	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 19:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 19:09	1
Chloroform	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 19:09	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:09	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 19:09	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 19:09	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Tetrachloroethene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Trichloroethene	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 19:09	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*105*		*80 - 120*		*06/04/24 19:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/04/24 19:09*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 338 Park Post

Date Collected: 05/23/24 11:05
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-4

Matrix: Drinking Water

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.070	0.062	ug/L		05/31/24 07:09	06/01/24 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*99*		*70 - 130*	*05/31/24 07:09*	*06/01/24 02:36*	*1*

Client Sample ID: 338 Park Mid

Lab Sample ID: 410-173405-5

Date Collected: 05/23/24 11:10
Matrix: Drinking Water
Date Received: 05/24/24 13:25

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**13**		0.50	0.10	ug/L			06/04/24 19:32	1
1,1,1-Trichloroethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
1,1,2,2-Tetrachloroethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,1,2-Trichloroethane	**0.49**	**J**	0.50	0.10	ug/L			06/04/24 19:32	1
1,1,2-Trichloroethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,1-Dichloroethane	**0.50**		0.50	0.10	ug/L			06/04/24 19:32	1
1,1-Dichloroethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,1-Dichloroethene	**28**		0.50	0.10	ug/L			06/04/24 19:32	1
1,1-Dichloroethene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:32	1
1,2,4-Trichlorobenzene	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 19:32	1
1,2-Dibromo-3-Chloropropane	ND	! H cn	1.0	0.40	ug/L			06/08/24 19:03	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 19:32	1
1,2-Dibromoethane	ND	! H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:32	1
1,2-Dichlorobenzene	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
1,2-Dichloroethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
1,2-Dichloropropane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
1,3-Dichlorobenzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
1,4-Dichlorobenzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 19:32	1
2-Butanone	ND	H cn	5.0	2.0	ug/L			06/08/24 19:03	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 19:32	1
2-Hexanone	ND	H cn	5.0	1.0	ug/L			06/08/24 19:03	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 19:32	1
4-Methyl-2-pentanone	ND	H cn	5.0	0.80	ug/L			06/08/24 19:03	1
Acetone	ND		10	3.0	ug/L			06/04/24 19:32	1
Acetone	ND	H cn	10	3.0	ug/L			06/08/24 19:03	1
Benzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Benzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Bromodichloromethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 19:32	1
Bromoform	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Bromomethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 19:32	1
Carbon disulfide	ND	H cn	2.0	0.40	ug/L			06/08/24 19:03	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Carbon tetrachloride	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Chlorobenzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 19:32	1

Client Sample ID: 338 Park Mid

Date Collected: 05/23/24 11:10
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-5

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Chloroform	**0.14**	**J**	0.50	0.10	ug/L			06/04/24 19:32	1
Chloroform	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 19:32	1
Chloromethane	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
cis-1,2-Dichloroethene	**20**		0.50	0.10	ug/L			06/04/24 19:32	1
cis-1,2-Dichloroethene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
cis-1,3-Dichloropropene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Dibromochloromethane	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:32	1
Dichlorodifluoromethane	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Ethylbenzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 19:32	1
Freon 113	ND	! H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Isopropylbenzene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Methyl tertiary butyl ether	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 19:32	1
Methylene Chloride	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Styrene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Tetrachloroethene	**64**	**E**	0.50	0.10	ug/L			06/04/24 19:32	1
Tetrachloroethene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Toluene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
trans-1,2-Dichloroethene	**0.14**	**J**	0.50	0.10	ug/L			06/04/24 19:32	1
trans-1,2-Dichloroethene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:32	1
trans-1,3-Dichloropropene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Trichloroethene	**200**	**E**	0.50	0.10	ug/L			06/04/24 19:32	1
Trichloroethene	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:32	1
Trichlorofluoromethane	ND	H cn	0.50	0.20	ug/L			06/08/24 19:03	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Vinyl chloride	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 19:32	1
Xylenes, Total	ND	H cn	0.50	0.10	ug/L			06/08/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*109*		*80 - 120*		*06/04/24 19:32*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*	*cn*	*80 - 120*		*06/08/24 19:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*06/04/24 19:32*	*1*
4-Bromofluorobenzene (Surr)	*92*	*cn*	*80 - 120*		*06/08/24 19:03*	*1*

Client Sample ID: 338 Park Mid

Date Collected: 05/23/24 11:10
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-5

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,1,1-Trichloroethane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,1,1-Trichloroethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,1,2,2-Tetrachloroethane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,1,2,2-Tetrachloroethane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,1,2,2-Tetrachloroethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,1,2-Trichloroethane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,1,2-Trichloroethane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,1,2-Trichloroethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,1-Dichloroethane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,1-Dichloroethane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,1-Dichloroethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,1-Dichloroethene	ND		10	2.0	ug/L			06/05/24 17:57	20
1,1-Dichloroethene	ND		10	2.0	ug/L			06/06/24 13:37	20
1,1-Dichloroethene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,2,4-Trichlorobenzene	ND		10	4.0	ug/L			06/05/24 17:57	20
1,2,4-Trichlorobenzene	ND		10	4.0	ug/L			06/06/24 13:37	20
1,2,4-Trichlorobenzene	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
1,2-Dibromo-3-Chloropropane	ND	!	20	8.0	ug/L			06/05/24 17:57	20
1,2-Dibromo-3-Chloropropane	ND	!	20	8.0	ug/L			06/06/24 13:37	20
1,2-Dibromo-3-Chloropropane	ND	! H cn	20	8.0	ug/L			06/08/24 12:20	20
1,2-Dibromoethane	ND	!	10	2.0	ug/L			06/05/24 17:57	20
1,2-Dibromoethane	ND	!	10	2.0	ug/L			06/06/24 13:37	20
1,2-Dibromoethane	ND	! H cn	10	2.0	ug/L			06/08/24 12:20	20
1,2-Dichlorobenzene	ND		10	4.0	ug/L			06/05/24 17:57	20
1,2-Dichlorobenzene	ND		10	4.0	ug/L			06/06/24 13:37	20
1,2-Dichlorobenzene	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
1,2-Dichloroethane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,2-Dichloroethane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,2-Dichloroethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,2-Dichloropropane	ND		10	2.0	ug/L			06/05/24 17:57	20
1,2-Dichloropropane	ND		10	2.0	ug/L			06/06/24 13:37	20
1,2-Dichloropropane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			06/05/24 17:57	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			06/06/24 13:37	20
1,3-Dichlorobenzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
1,4-Dichlorobenzene	ND		10	2.0	ug/L			06/05/24 17:57	20
1,4-Dichlorobenzene	ND		10	2.0	ug/L			06/06/24 13:37	20
1,4-Dichlorobenzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
2-Butanone	ND		100	40	ug/L			06/05/24 17:57	20
2-Butanone	ND		100	40	ug/L			06/06/24 13:37	20
2-Butanone	ND	H cn	100	40	ug/L			06/08/24 12:20	20
2-Hexanone	ND		100	20	ug/L			06/05/24 17:57	20
2-Hexanone	ND		100	20	ug/L			06/06/24 13:37	20
2-Hexanone	ND	H cn	100	20	ug/L			06/08/24 12:20	20
4-Methyl-2-pentanone	ND		100	16	ug/L			06/05/24 17:57	20
4-Methyl-2-pentanone	ND		100	16	ug/L			06/06/24 13:37	20
4-Methyl-2-pentanone	ND	H cn	100	16	ug/L			06/08/24 12:20	20
Acetone	ND		200	60	ug/L			06/05/24 17:57	20

Client Sample ID: 338 Park Mid

Date Collected: 05/23/24 11:10
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-5

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		200	60	ug/L			06/06/24 13:37	20
Acetone	ND	H cn	200	60	ug/L			06/08/24 12:20	20
Benzene	ND		10	2.0	ug/L			06/05/24 17:57	20
Benzene	ND		10	2.0	ug/L			06/06/24 13:37	20
Benzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Bromodichloromethane	ND		10	2.0	ug/L			06/05/24 17:57	20
Bromodichloromethane	ND		10	2.0	ug/L			06/06/24 13:37	20
Bromodichloromethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Bromoform	ND		10	4.0	ug/L			06/05/24 17:57	20
Bromoform	ND		10	4.0	ug/L			06/06/24 13:37	20
Bromoform	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
Bromomethane	ND		10	2.0	ug/L			06/05/24 17:57	20
Bromomethane	ND		10	2.0	ug/L			06/06/24 13:37	20
Bromomethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Carbon disulfide	ND		40	8.0	ug/L			06/05/24 17:57	20
Carbon disulfide	ND		40	8.0	ug/L			06/06/24 13:37	20
Carbon disulfide	ND	H cn	40	8.0	ug/L			06/08/24 12:20	20
Carbon tetrachloride	ND		10	2.0	ug/L			06/05/24 17:57	20
Carbon tetrachloride	ND		10	2.0	ug/L			06/06/24 13:37	20
Carbon tetrachloride	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Chlorobenzene	ND		10	2.0	ug/L			06/05/24 17:57	20
Chlorobenzene	ND		10	2.0	ug/L			06/06/24 13:37	20
Chlorobenzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Chloroethane	ND		10	4.0	ug/L			06/05/24 17:57	20
Chloroethane	ND		10	4.0	ug/L			06/06/24 13:37	20
Chloroethane	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
Chloroform	ND		10	2.0	ug/L			06/05/24 17:57	20
Chloroform	ND		10	2.0	ug/L			06/06/24 13:37	20
Chloroform	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Chloromethane	ND		10	4.0	ug/L			06/05/24 17:57	20
Chloromethane	ND		10	4.0	ug/L			06/06/24 13:37	20
Chloromethane	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			06/05/24 17:57	20
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			06/06/24 13:37	20
cis-1,2-Dichloroethene	**2.5**	**J H cn**	10	2.0	ug/L			06/08/24 12:20	20
cis-1,3-Dichloropropene	ND		10	2.0	ug/L			06/05/24 17:57	20
cis-1,3-Dichloropropene	ND		10	2.0	ug/L			06/06/24 13:37	20
cis-1,3-Dichloropropene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Dibromochloromethane	ND		10	2.0	ug/L			06/05/24 17:57	20
Dibromochloromethane	ND		10	2.0	ug/L			06/06/24 13:37	20
Dibromochloromethane	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Dichlorodifluoromethane	ND		10	4.0	ug/L			06/05/24 17:57	20
Dichlorodifluoromethane	ND		10	4.0	ug/L			06/06/24 13:37	20
Dichlorodifluoromethane	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
Ethylbenzene	ND		10	2.0	ug/L			06/05/24 17:57	20
Ethylbenzene	ND		10	2.0	ug/L			06/06/24 13:37	20
Ethylbenzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Freon 113	ND	!	10	4.0	ug/L			06/05/24 17:57	20
Freon 113	ND	!	10	4.0	ug/L			06/06/24 13:37	20

Client Sample ID: 338 Park Mid

Date Collected: 05/23/24 11:10
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-5

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND	! H cn	10	4.0	ug/L			06/08/24 12:20	20
Isopropylbenzene	ND		10	2.0	ug/L			06/05/24 17:57	20
Isopropylbenzene	ND		10	2.0	ug/L			06/06/24 13:37	20
Isopropylbenzene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Methyl tertiary butyl ether	ND		10	2.0	ug/L			06/05/24 17:57	20
Methyl tertiary butyl ether	ND		10	2.0	ug/L			06/06/24 13:37	20
Methyl tertiary butyl ether	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Methylene Chloride	ND		10	4.0	ug/L			06/05/24 17:57	20
Methylene Chloride	ND		10	4.0	ug/L			06/06/24 13:37	20
Methylene Chloride	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
Styrene	ND		10	2.0	ug/L			06/05/24 17:57	20
Styrene	ND		10	2.0	ug/L			06/06/24 13:37	20
Styrene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Tetrachloroethene	ND		10	2.0	ug/L			06/05/24 17:57	20
Tetrachloroethene	ND		10	2.0	ug/L			06/06/24 13:37	20
Tetrachloroethene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Toluene	ND		10	2.0	ug/L			06/05/24 17:57	20
Toluene	ND		10	2.0	ug/L			06/06/24 13:37	20
Toluene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
trans-1,2-Dichloroethene	ND		10	2.0	ug/L			06/05/24 17:57	20
trans-1,2-Dichloroethene	ND		10	2.0	ug/L			06/06/24 13:37	20
trans-1,2-Dichloroethene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
trans-1,3-Dichloropropene	ND		10	2.0	ug/L			06/05/24 17:57	20
trans-1,3-Dichloropropene	ND		10	2.0	ug/L			06/06/24 13:37	20
trans-1,3-Dichloropropene	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Trichloroethene	ND		10	2.0	ug/L			06/05/24 17:57	20
Trichloroethene	ND		10	2.0	ug/L			06/06/24 13:37	20
Trichloroethene	**3.7**	**J H cn**	10	2.0	ug/L			06/08/24 12:20	20
Trichlorofluoromethane	ND		10	4.0	ug/L			06/05/24 17:57	20
Trichlorofluoromethane	ND		10	4.0	ug/L			06/06/24 13:37	20
Trichlorofluoromethane	ND	H cn	10	4.0	ug/L			06/08/24 12:20	20
Vinyl chloride	ND		10	2.0	ug/L			06/05/24 17:57	20
Vinyl chloride	ND		10	2.0	ug/L			06/06/24 13:37	20
Vinyl chloride	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20
Xylenes, Total	ND		10	2.0	ug/L			06/05/24 17:57	20
Xylenes, Total	ND		10	2.0	ug/L			06/06/24 13:37	20
Xylenes, Total	ND	H cn	10	2.0	ug/L			06/08/24 12:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*106*		*80 - 120*		*06/05/24 17:57*	*20*
1,2-Dichlorobenzene-d4 (Surr)	*104*		*80 - 120*		*06/06/24 13:37*	*20*
1,2-Dichlorobenzene-d4 (Surr)	*98*	*cn*	*80 - 120*		*06/08/24 12:20*	*20*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/05/24 17:57*	*20*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/06/24 13:37*	*20*
4-Bromofluorobenzene (Surr)	*91*	*cn*	*80 - 120*		*06/08/24 12:20*	*20*

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.093**		0.070	0.062	ug/L		05/31/24 07:09	06/01/24 03:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 338 Park Mid

Date Collected: 05/23/24 11:10
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-5

Matrix: Drinking Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8 (Surr)	100		70 - 130	05/31/24 07:09	06/01/24 03:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 338 Park Pre

Date Collected: 05/23/24 11:15
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-6

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**13**		0.50	0.10	ug/L			06/04/24 19:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
1,1,2-Trichloroethane	**0.49**	**J**	0.50	0.10	ug/L			06/04/24 19:56	1
1,1-Dichloroethane	**0.48**	**J**	0.50	0.10	ug/L			06/04/24 19:56	1
1,1-Dichloroethene	**27**		0.50	0.10	ug/L			06/04/24 19:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:56	1
1,2-Dibromo-3-Chloropropane	ND	!	1.0	0.40	ug/L			06/04/24 19:56	1
1,2-Dibromoethane	ND	!	0.50	0.10	ug/L			06/04/24 19:56	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			06/04/24 19:56	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
2-Butanone	ND		5.0	2.0	ug/L			06/04/24 19:56	1
2-Hexanone	ND		5.0	1.0	ug/L			06/04/24 19:56	1
4-Methyl-2-pentanone	ND		5.0	0.80	ug/L			06/04/24 19:56	1
Acetone	ND		10	3.0	ug/L			06/04/24 19:56	1
Benzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Bromodichloromethane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Bromoform	ND		0.50	0.20	ug/L			06/04/24 19:56	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Carbon disulfide	ND		2.0	0.40	ug/L			06/04/24 19:56	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Chlorobenzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Chloroethane	ND		0.50	0.20	ug/L			06/04/24 19:56	1
Chloroform	**0.16**	**J**	0.50	0.10	ug/L			06/04/24 19:56	1
Chloromethane	ND		0.50	0.20	ug/L			06/04/24 19:56	1
cis-1,2-Dichloroethene	**20**		0.50	0.10	ug/L			06/04/24 19:56	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Dibromochloromethane	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:56	1
Ethylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Freon 113	ND	!	0.50	0.20	ug/L			06/04/24 19:56	1
Isopropylbenzene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/24 19:56	1
Styrene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Toluene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
trans-1,2-Dichloroethene	**0.13**	**J**	0.50	0.10	ug/L			06/04/24 19:56	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			06/04/24 19:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/24 19:56	1
Xylenes, Total	ND		0.50	0.10	ug/L			06/04/24 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*106*		*80 - 120*		*06/04/24 19:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/04/24 19:56*	*1*

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Nockamixon

Job ID: 410-173405-1

Client Sample ID: 338 Park Pre

Date Collected: 05/23/24 11:15
Date Received: 05/24/24 13:25

Lab Sample ID: 410-173405-6

Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	59		10	2.0	ug/L			06/06/24 14:01	20
Trichloroethene	200		10	2.0	ug/L			06/06/24 14:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*80 - 120*		*06/06/24 14:01*	*20*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/06/24 14:01*	*20*

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)
Lab: Eurofins Eaton Analytical South Bend

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	9.3		0.070	0.062	ug/L		06/04/24 08:09	06/04/24 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*110*		*70 - 130*	*06/04/24 08:09*	*06/04/24 19:39*	*1*

Date of Issue: 02/27/2019 04:08:56

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 012 **Date Collected:** 02/04/2019 11:10:00 AM **Lab Sample ID:** O2019000766 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/05/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
347 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 347 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	2.42 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 012 **Date Collected:** 02/04/2019 11:10:00 AM **Lab Sample ID:** O2019000766 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	3.08 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	6.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	3.77 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 012 **Date Collected:** 02/04/2019 11:10:00 AM **Lab Sample ID:** O2019000766 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
74953 Dibromomethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75718 Dichlorodifluoromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75092 Dichloromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
100414 Ethylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
87683 Hexachlorobutadiene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98828 Isopropylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108383 m/p-Xylenes	1.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
1634044 Methyl-tert-butyl Ether	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
91203 Naphthalene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
104518 n-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
103651 n-Propylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95498 o-Chlorotoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
95476 o-Xylene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
106434 p-Chlorotoluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98566 PCTFB	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
135988 Sec-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
100425 Styrene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
75650 t-Butyl alcohol	5.00 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
540885 tert-Butyl Acetate	2.50 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
98066 Tert-Butylbenzene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
127184 Tetrachloroethene	3.12 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
109999 Tetrahydrofuran	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108883 Toluene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
1330207 Total Xylenes	0 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
156605 trans-1,2-Dichloroethene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
10061026 trans-1,3-Dichloropropene	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
79016 Trichloroethene	35.2 ug/L	02/08/2019 02:00 AM	ALIU	EPA 524.3
75694 Trichlorofluoromethane	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3
108054 Vinyl Acetate	0.500 ug/L (U)	02/08/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Date of Issue: 06/08/2017 04:09:58

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
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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 018 **Date Collected:** 05/17/2017 12:15:00 PM **Lab Sample ID:** O2017003572 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/18/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
377 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 377 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 05/17/2017 12:15:00 PM **Lab Sample ID:** O2017003572 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75343	1,1-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.614 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67641	Acetone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75150	Carbon Disulfide	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 018 **Date Collected:** 05/17/2017 12:15:00 PM **Lab Sample ID:** O2017003572 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75718	Dichlorodifluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100414	Ethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87683	Hexachlorobutadiene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98828	Isopropylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108383	m/p-Xylene	1.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78933	MEK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75092	Methylene Chloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108101	MIBK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
91203	Naphthalene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
104518	n-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
103651	n-Propylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95498	o-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95476	o-Xylene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106434	p-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
135988	Sec-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100425	Styrene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75650	t-Butyl alcohol	5.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98066	Tert-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
127184	Tetrachloroethene	0.539 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
108883	Toluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156605	trans-1,2-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79016	Trichloroethene	11.5 UG/L	05/19/2017 02:00 AM	ALIU	EPA 524.2
75694	Trichlorofluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

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

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: 06/13/2018 04:01:56

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 006 **Date Collected:** 06/04/2018 10:30:00 AM **Lab Sample ID:** O2018003387 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 06/05/2018

County: Bucks **State:**
Municipality: Nockamixon Twp
387 PARK DRIVE WEST

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 387 Park - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	0.532 UG/L	06/05/2018 02:00 AM	ALIU	EPA 524.3
Duplicate values are not within acceptable range				
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 006 **Date Collected:** 06/04/2018 10:30:00 AM **Lab Sample ID:** O2018003387 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75343	1,1-Dichloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	0.613 UG/L	06/05/2018 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
67641	Acetone	10.0 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75150	Carbon Disulfide	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
56235	Carbon Tetrachloride	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
74953	Dibromomethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 006 **Date Collected:** 06/04/2018 10:30:00 AM **Lab Sample ID:** O2018003387 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75718 Dichlorodifluoromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
100414 Ethylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
87683 Hexachlorobutadiene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
98828 Isopropylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108383 m/p-Xylene	1.00 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
78933 MEK	2.50 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
1634044 Methyl Tert-Butyl Ether	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75092 Methylene Chloride	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108101 MIBK	2.50 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
91203 Naphthalene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
104518 n-Butylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
103651 n-Propylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
95498 o-Chlorotoluene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
95476 o-Xylene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
106434 p-Chlorotoluene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
98566 PCTFB	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
135988 Sec-Butylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
100425 Styrene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
75650 t-Butyl alcohol	5.00 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
540885 tert-Butyl Acetate	2.50 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
98066 Tert-Butylbenzene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
127184 Tetrachloroethene	0.567 UG/L	06/05/2018 02:00 AM	ALIU	EPA 524.3
109999 Tetrahydrofuran	1.00 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108883 Toluene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
1330207 Total Xylenes	0 UG/L	06/05/2018 02:00 AM	ALIU	EPA 524.3
156605 trans-1,2-Dichloroethene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
10061026 trans-1,3-Dichloropropene	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
79016 Trichloroethene	11.2 UG/L	06/05/2018 02:00 AM	ALIU	EPA 524.3
75694 Trichlorofluoromethane	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3
108054 Vinyl Acetate	0.500 UG/L (U)	06/05/2018 02:00 AM	ALIU	EPA 524.3

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

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 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.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 002 Status:

Name of Sample Collector: Megan K Harkins
Date Sample was Collected: 11/17/2010

County: NOT INDICATED State:
Municipality: NOT INDICATED

Sample Medium :
Sample Medium Type:

Location: 4028 Durham
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2010010007 Date Received: 11/17/2010
Suite: VOADW

Legal Seal: G043970 Intact: YES

Sample Comment: One of the associated QC tests failed, the data are not affected.

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
78875	1,2-Dichloropropane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
78933	MEK	1.25 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
79016	Trichloroethene	93.4 UG/L (Q)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108101	MIBK	1.25 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 002 Status:

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
127184	Tetrachloroethene	5.12 UG/L (Q)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
71556	1,1,1-Trichloroethane	3.46 UG/L (Q)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75092	Methylene Chloride	0.500 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
156592	cis-1,2-Dichloroethene	12.2 UG/L (Q)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
67641	Acetone	1.25 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
71432	Benzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
100425	Styrene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 002 Status:

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
67663	Chloroform	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75354	1,1-Dichloroethene	3.40 UG/L (Q)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
108883	Toluene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	11/23/2010 12:00 AM	AMOLNAR	EPA 524.2

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with "***" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 002 Status:

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 054 Status: Completed

Name of Sample Collector: Megan K Harkins
Date Sample was Collected: 06/02/2011

County: NOT INDICATED State:
Municipality: NOT INDICATED

Sample Medium :
Sample Medium Type:

Location: 282 Park Pre Filter
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2011004222 Date Received: 06/02/2011 Completed
Suite: VOADW

Legal Seal: G049969 Intact: YES

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
71556	1,1,1-Trichloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
78933	MEK	1.25 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
79016	Trichloroethene	7.30 UG/L	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 054 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
100414	Ethylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108101	MIBK	1.25 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108383	m/p-Xylene	0.500 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
127184	Tetrachloroethene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
104518	n-Butylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108861	Bromobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108907	Chlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
591786	2-Hexanone	1.25 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
67663	Chloroform	0.581 UG/L	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
74953	Dibromomethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75252	Bromoform	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75354	1,1-Dichloroethene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
156592	cis-1,2-Dichloroethene	1.06 UG/L	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
67641	Acetone	1.25 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75274	Bromodichloromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108883	Toluene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDTEPA	524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 054 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
71432	Benzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
100425	Styrene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	06/04/2011 12:00 AM	ANDSCHMIDT	EPA 524.2

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2120 054 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2114 004 Status: Completed

Name of Sample Collector: Jonathan Lorio
Date Sample was Collected: 08/10/2011 11:10:00 AM

County: NOT INDICATED State:
Municipality: NOT INDICATED

Sample Medium :
Sample Medium Type:

Location: 10 Brennan Rd
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2011006356 Date Received: 08/10/2011 Completed
Suite: VOADW

Legal Seal: G037192 Intact: YES

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
74873	Chloromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75343	1,1-Dichloroethane	0.333 UG/L	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
78933	MEK	1.25 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
79016	Trichloroethene	363 UG/L	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2114 004 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
95498	o-Chlorotoluene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
100414	Ethylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108101	MIBK	1.25 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108383	m/p-Xylene	0.500 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
127184	Tetrachloroethene	11.9 UG/L (Q)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
71556	1,1,1-Trichloroethane	11.2 UG/L (Q)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
104518	n-Butylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108861	Bromobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108907	Chlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
591786	2-Hexanone	1.25 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
67663	Chloroform	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
74953	Dibromomethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75252	Bromoform	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75354	1,1-Dichloroethene	7.48 UG/L (Q)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
156592	cis-1,2-Dichloroethene	57.2 UG/L (Q)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
67641	Acetone	1.25 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
75274	Bromodichloromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
108883	Toluene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2
74975	Bromochloromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDTEPA	524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2114 004 Status: Completed

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
75694	Trichlorofluoromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
79005	1,1,2-Trichloroethane	0.383 UG/L	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
71432	Benzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
100425	Styrene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	08/15/2011 12:00 AM	ANDSCHMIDT	EPA 524.2

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2114 004 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/28/2011 12:20:00 PM

County: Bucks State: PA
Municipality: NOT INDICATED

Sample Medium : Ground Water
Sample Medium Type: Water

Location: 44 Brennan-PRE
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2011010858 Date Received: 12/28/2011 Completed
Suite: VOADW

Legal Seal: I003018 Intact: YES

Sample Comment: TIC: Methylstrene

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
98828	Isopropylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.710 UG/L	01/04/2011 12:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	23.2 UG/L (Q)	01/04/2011 12:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	19.2 UG/L (Q)	01/04/2011 12:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
74873	Chloromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.642 UG/L	01/04/2011 12:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
79016	Trichloroethene	411 UG/L	01/04/2011 12:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	105 UG/L	01/04/2011 12:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
67641	Acetone	1.25 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
67663	Chloroform	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	14.7 UG/L (Q)	01/04/2011 12:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.532 UG/L	01/04/2011 12:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	01/04/2011 12:00 AM	DLY	EPA 524.2

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/29/2011 10:50:00 AM

County: Bucks State: PA
Municipality: NOT INDICATED

Sample Medium : Ground Water
Sample Medium Type: Water

Location: 30 Brennan-Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2011010895 Date Received: 12/29/2011 Completed
Suite: VOADW

Sample Comment: Improper cap was used and needed to be replace with caps with septa. S ome compounds may be lost and results may be biased low. TIC: Trimethyl Silanol

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
75003	Chloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
79016	Trichloroethene	12.9 UG/L	01/03/2011 12:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
106434	p-Chlorotoluene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.751 UG/L	01/03/2011 12:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.379 UG/L	01/03/2011 12:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	2.12 UG/L	01/03/2011 12:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
67641	Acetone	1.25 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
67663	Chloroform	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.308 UG/L	01/03/2011 12:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
74975	Bromochloromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	01/03/2011 12:00 AM	DLY	EPA 524.2

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 007 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/12/2012 11:15:00 AM

County: Bucks State: PA
Municipality: Nockamixon Twp

STEVER
9 CORD WAY PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 9 Cord Way Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012252 Date Received: 12/12/2012 Completed
Suite: VOADW

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
74839	Bromomethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.606 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	17.0 UG/L (Q)	12/18/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	1.26 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.464 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.517 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
156592	cis-1,2-Dichloroethene	1.30 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 004 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Date of Issue: 04/03/2014 07:49:53

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report For
Environmental Cleanup

Sample ID: 2170 004 **Date Collected:** 03/19/2014 09:45:00 AM **Lab Sample ID:** O2014001736 **Status:** Completed

Name of Sample Collector: Margaret R Pollich
Date Received:

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

MAGEE
2442 MOUNTAIN VIEW RAW

Sample Medium: Ground Water
Sample Medium Type: Water

Location: NOT INDICATED
Reason: Routine Sampling
Project: NOT INDICATED
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: TIC: hexamethyl cyclotrisiloxane

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2170 004 **Date Collected:** 03/19/2014 09:45:00 AM **Lab Sample ID:** O2014001736 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
71556	1,1,1-Trichloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.569 UG/L	03/21/2014 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
67641	Acetone	1.25 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	1.30 UG/L	03/21/2014 02:00 AM	DLY	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2170 004 **Date Collected:** 03/19/2014 09:45:00 AM **Lab Sample ID:** O2014001736 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
10061015 cis-1,3-Dichloropropene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
124481 Dibromochloromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
74953 Dibromomethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75718 Dichlorodifluoromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
100414 Ethylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
87683 Hexachlorobutadiene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
98828 Isopropylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
108383 m/p-Xylene	0.500 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
78933 MEK	1.25 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75092 Methylene Chloride	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
108101 MIBK	1.25 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
91203 Naphthalene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
104518 n-Butylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
103651 n-Propylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
95498 o-Chlorotoluene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
95476 o-Xylene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
106434 p-Chlorotoluene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
135988 Sec-Butylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
100425 Styrene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
75650 t-Butyl alcohol	2.50 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
98066 Tert-Butylbenzene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
127184 Tetrachloroethene	13.3 UG/L (Q)	03/21/2014 02:00 AM	DLY	EPA 524.2
108883 Toluene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
156605 trans-1,2-Dichloroethene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2
79016 Trichloroethene	69.0 UG/L	03/21/2014 02:00 AM	DLY	EPA 524.2
75694 Trichlorofluoromethane	0.250 UG/L (U)	03/21/2014 02:00 AM	DLY	EPA 524.2

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of the 2009 TNI standards. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

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: 06/08/2017 04:10:14

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 027 **Date Collected:** 05/23/2017 10:10:00 AM **Lab Sample ID:** O2017003736 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/24/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
2473 MOUNTAIN VIEW DRIVE

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 2473 Mountain View - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 027 **Date Collected:** 05/23/2017 10:10:00 AM **Lab Sample ID:** O2017003736 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75343	1,1-Dichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
67641	Acetone	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75150	Carbon Disulfide	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	0.902 UG/L	05/25/2017 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 027 **Date Collected:** 05/23/2017 10:10:00 AM **Lab Sample ID:** O2017003736 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75718	Dichlorodifluoromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
100414	Ethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
87683	Hexachlorobutadiene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
98828	Isopropylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108383	m/p-Xylene	1.00 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
78933	MEK	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75092	Methylene Chloride	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108101	MIBK	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
91203	Naphthalene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
104518	n-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
103651	n-Propylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95498	o-Chlorotoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95476	o-Xylene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
106434	p-Chlorotoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
135988	Sec-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
100425	Styrene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75650	t-Butyl alcohol	5.00 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
98066	Tert-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
127184	Tetrachloroethene	0.648 UG/L	05/25/2017 02:00 AM	ALIU	EPA 524.2
108883	Toluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
156605	trans-1,2-Dichloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
79016	Trichloroethene	9.51 UG/L	05/25/2017 02:00 AM	ALIU	EPA 524.2
75694	Trichlorofluoromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

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

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: 02/27/2019 04:15:11

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 021 **Date Collected:** 02/04/2019 01:30:00 PM **Lab Sample ID:** O2019000769 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/05/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
2506 MOUNTAIN VIEW DRIVE

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 2506 Mountain View - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	2.85 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 021 **Date Collected:** 02/04/2019 01:30:00 PM **Lab Sample ID:** O2019000769 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75343	1,1-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75354	1,1-Dichloroethene	3.61 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
563586	1,1-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87616	1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
96184	1,2,3-Trichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
120821	1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95636	1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95501	1,2-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
107062	1,2-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78875	1,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108678	1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
541731	1,3-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
142289	1,3-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106467	1,4-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
594207	2,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78933	2-Butanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
591786	2-Hexanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
99876	4-Isopropyltoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108101	4-Methyl-2-pentanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67641	Acetone	6.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71432	Benzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108861	Bromobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74975	Bromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75274	Bromodichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75252	Bromoform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74839	Bromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75150	Carbon disulfide	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
56235	Carbon tetrachloride	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108907	Chlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75003	Chloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75014	Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67663	Chloroform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74873	Chloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
156592	cis-1,2-Dichloroethene	18.8 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061015	cis-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
124481	Dibromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 021 **Date Collected:** 02/04/2019 01:30:00 PM **Lab Sample ID:** O2019000769 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	6.40 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	109 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Date of Issue: 02/27/2019 04:04:19

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 024 **Date Collected:** 02/04/2019 01:55:00 PM **Lab Sample ID:** O2019000770 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 02/05/2019

County: Bucks **State:**
Municipality: Nockamixon Twp
2511 MOUNTAIN VIEW DRIVE

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 2511 Mountain View - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71556 1,1,1-Trichloroethane	5.64 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 024 **Date Collected:** 02/04/2019 01:55:00 PM **Lab Sample ID:** O2019000770 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75343 1,1-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75354 1,1-Dichloroethene	6.98 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
563586 1,1-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87616 1,2,3-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
96184 1,2,3-Trichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
120821 1,2,4-Trichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95636 1,2,4-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95501 1,2-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
107062 1,2-Dichloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78875 1,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108678 1,3,5-Trimethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
541731 1,3-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
142289 1,3-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106467 1,4-Dichlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
594207 2,2-Dichloropropane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
78933 2-Butanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
591786 2-Hexanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
99876 4-Isopropyltoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108101 4-Methyl-2-pentanone	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67641 Acetone	6.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
71432 Benzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108861 Bromobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74975 Bromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75274 Bromodichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75252 Bromoform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74839 Bromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75150 Carbon disulfide	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
56235 Carbon tetrachloride	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108907 Chlorobenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75003 Chloroethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75014 Chloroethene (vinyl chloride)	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
67663 Chloroform	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
74873 Chloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
156592 cis-1,2-Dichloroethene	27.4 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061015 cis-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
124481 Dibromochloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

Analytical Report For
Environmental Cleanup

Sample ID: 2128 024 **Date Collected:** 02/04/2019 01:55:00 PM **Lab Sample ID:** O2019000770 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
74953	Dibromomethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75718	Dichlorodifluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75092	Dichloromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100414	Ethylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
87683	Hexachlorobutadiene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98828	Isopropylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108383	m/p-Xylenes	1.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1634044	Methyl-tert-butyl Ether	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
91203	Naphthalene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
104518	n-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
103651	n-Propylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95498	o-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
95476	o-Xylene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
106434	p-Chlorotoluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98566	PCTFB	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
135988	Sec-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
100425	Styrene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
75650	t-Butyl alcohol	5.00 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
540885	tert-Butyl Acetate	2.50 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
98066	Tert-Butylbenzene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
127184	Tetrachloroethene	7.61 ug/L (Q)	02/11/2019 02:00 AM	ALIU	EPA 524.3
109999	Tetrahydrofuran	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108883	Toluene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
1330207	Total Xylenes	0 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
156605	trans-1,2-Dichloroethene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
10061026	trans-1,3-Dichloropropene	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
79016	Trichloroethene	185 ug/L	02/11/2019 02:00 AM	ALIU	EPA 524.3
75694	Trichlorofluoromethane	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3
108054	Vinyl Acetate	0.500 ug/L (U)	02/11/2019 02:00 AM	ALIU	EPA 524.3

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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, 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.

Date of Issue: 06/08/2017 04:10:45

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 042 **Date Collected:** 05/25/2017 11:40:00 AM **Lab Sample ID:** O2017003822 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/26/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
2526 MOUNTAIN VIEW DRIVE

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 2526 Mountain View - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.884 UG/L	05/26/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 042 **Date Collected:** 05/25/2017 11:40:00 AM **Lab Sample ID:** O2017003822 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75343	1,1-Dichloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.980 UG/L	05/26/2017 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	2.50 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
67641	Acetone	2.50 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75150	Carbon Disulfide	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	4.44 UG/L	05/26/2017 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 042 **Date Collected:** 05/25/2017 11:40:00 AM **Lab Sample ID:** O2017003822 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75718 Dichlorodifluoromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
100414 Ethylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
87683 Hexachlorobutadiene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
98828 Isopropylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
108383 m/p-Xylene	1.00 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
78933 MEK	2.50 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75092 Methylene Chloride	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
108101 MIBK	2.50 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
91203 Naphthalene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
104518 n-Butylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
103651 n-Propylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
95498 o-Chlorotoluene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
95476 o-Xylene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
106434 p-Chlorotoluene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
135988 Sec-Butylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
100425 Styrene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
75650 t-Butyl alcohol	5.00 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
98066 Tert-Butylbenzene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
127184 Tetrachloroethene	5.90 UG/L	05/26/2017 02:00 AM	ALIU	EPA 524.2
108883 Toluene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
156605 trans-1,2-Dichloroethene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2
79016 Trichloroethene	51.8 UG/L	05/26/2017 02:00 AM	ALIU	EPA 524.2
75694 Trichlorofluoromethane	0.500 UG/L (U)	05/26/2017 02:00 AM	ALIU	EPA 524.2

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

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: 10/28/2015 04:07:35

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
Environmental Cleanup

Sample ID: 2128 003 **Date Collected:** 10/19/2015 10:00:00 AM **Lab Sample ID:** O2015008050 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 10/20/2015

County: Bucks **State:**
Municipality: Nockamixon Twp
4032 DURHAM ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 4032 Durham Rd. - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
79005 1,1,2-Trichloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 003 **Date Collected:** 10/19/2015 10:00:00 AM **Lab Sample ID:** O2015008050 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
75343	1,1-Dichloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.267 UG/L	10/20/2015 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
67641	Acetone	1.25 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	1.00 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	1.00 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	1.00 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	0.904 UG/L	10/20/2015 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	1.00 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 003 **Date Collected:** 10/19/2015 10:00:00 AM **Lab Sample ID:** O2015008050 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
87683 Hexachlorobutadiene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
98828 Isopropylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
108383 m/p-Xylene	0.500 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
78933 MEK	1.25 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75092 Methylene Chloride	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
108101 MIBK	1.25 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
91203 Naphthalene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
104518 n-Butylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
103651 n-Propylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
95498 o-Chlorotoluene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
95476 o-Xylene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
106434 p-Chlorotoluene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
135988 Sec-Butylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
100425 Styrene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
75650 t-Butyl alcohol	2.50 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
98066 Tert-Butylbenzene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
127184 Tetrachloroethene	0.418 UG/L	10/20/2015 02:00 AM	ALIU	EPA 524.2
108883 Toluene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
156605 trans-1,2-Dichloroethene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2
79016 Trichloroethene	7.08 UG/L	10/20/2015 02:00 AM	ALIU	EPA 524.2
75694 Trichlorofluoromethane	0.250 UG/L (U)	10/20/2015 02:00 AM	ALIU	EPA 524.2

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.

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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.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/12/2012 01:00:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

LOUBRIS
4051 DURHAM PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 4051 Durham Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012258 Date Received: 12/12/2012 Completed
Suite: VOADW

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	22.8 UG/L (Q)	12/18/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	1.40 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.907 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
100425	Styrene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.829 UG/L	12/18/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	2.90 UG/L (Q)	12/18/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/18/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 010 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Date of Issue: 09/01/2015 04:09:35

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
Environmental Cleanup

Sample ID: 2128 014 **Date Collected:** 08/26/2015 12:20:00 PM **Lab Sample ID:** O2015006362 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 08/27/2015

County: Bucks **State:**
Municipality: Nockamixon Twp
8260 EASTON ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 8260 Easton Rd.
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
630206 1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
71556 1,1,1-Trichloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79005 1,1,2-Trichloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 014 **Date Collected:** 08/26/2015 12:20:00 PM **Lab Sample ID:** O2015006362 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
75343	1,1-Dichloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75354	1,1-Dichloroethene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
67641	Acetone	1.25 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
71432	Benzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75274	Bromodichloromethane	1.00 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75252	Bromoform	1.00 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
67663	Chloroform	1.00 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
156592	cis-1,2-Dichloroethene	0.380 UG/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
124481	Dibromochloromethane	1.00 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 014 **Date Collected:** 08/26/2015 12:20:00 PM **Lab Sample ID:** O2015006362 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
87683 Hexachlorobutadiene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
98828 Isopropylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108383 m/p-Xylene	0.500 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
78933 MEK	1.25 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75092 Methylene Chloride	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108101 MIBK	1.25 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
91203 Naphthalene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
104518 n-Butylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
103651 n-Propylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95498 o-Chlorotoluene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
95476 o-Xylene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
106434 p-Chlorotoluene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
135988 Sec-Butylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
100425 Styrene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75650 t-Butyl alcohol	2.50 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
98066 Tert-Butylbenzene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
127184 Tetrachloroethene	0.349 UG/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
108883 Toluene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
156605 trans-1,2-Dichloroethene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2
79016 Trichloroethene	5.74 UG/L	08/27/2015 02:00 AM	CLIAO	EPA 524.2
75694 Trichlorofluoromethane	0.250 UG/L (U)	08/27/2015 02:00 AM	CLIAO	EPA 524.2

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.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 013 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/13/2012 12:30:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

BAUMHAUER
8329 EASTON PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 8329 Easton Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012353 Date Received: 12/13/2012 Completed
Suite: VOADW

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	8.39 UG/L (Q)	12/19/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 013 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
127184	Tetrachloroethene	0.447 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.412 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	1.12 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 013 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
67663	Chloroform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.352 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 013 Status: Completed

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 013 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 020 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/13/2012 01:15:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

KENNA
8374 EASTON PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 8374 Easton Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012360 Date Received: 12/13/2012 Completed
Suite: VOADW

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	9.08 UG/L (Q)	12/19/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.496 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 020 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	0.457 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	1.01 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 020 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
75252	Bromoform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.370 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 020 Status: Completed

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The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 020 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 017 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/13/2012 01:00:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

SCHUBERT/SHAY
8378 EASTON PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 8378 Easton Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012357 Date Received: 12/13/2012 Completed
Suite: VOADW

Sample Comment: TIC: Trimethylsilanol

Test Codes/CAS# - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
71556	1,1,1-Trichloroethane	0.537 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79016	Trichloroethene	12.4 UG/L (Q)	12/19/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 017 Status: Completed

Test Codes/CAS#	- Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
75650	t-Butyl alcohol	2.50 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	0.729 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	0.472 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	1.19 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 017 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
71432	Benzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108883	Toluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 017 Status: Completed

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 017 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 023 Status: Completed

Name of Sample Collector: Margaret R Pollich
Date Sample was Collected: 12/13/2012 01:30:00 PM

County: Bucks State: PA
Municipality: Nockamixon Twp

GUSTAFSON
8382 EASTON PRE
Sample Medium : Ground Water
Sample Medium Type: Water

Location: 8382 Easton Pre
Reason: Routine Sampling
Project: NOT INDICATED
Laboratory Sample ID: O2012012363 Date Received: 12/13/2012 Completed
Suite: VOADW

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
107062	1,2-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75650	t-Butyl alcohol	2.50 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
135988	Sec-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
142289	1,3-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156605	trans-1,2-Dichloroethene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
563586	1,1-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71556	1,1,1-Trichloroethane	1.13 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
74839	Bromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74873	Chloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75003	Chloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75092	Methylene Chloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75343	1,1-Dichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78875	1,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
78933	MEK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 023 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
79016	Trichloroethene	29.8 UG/L (Q)	12/19/2012 02:00 AM	DLY	EPA 524.2
98066	Tert-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
98828	Isopropylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67641	Acetone	5.00 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79345	1,1,2,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96184	1,2,3-Trichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
99876	4-Isopropyltoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95498	o-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
541731	1,3-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106934	1,2-Dibromoethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
96128	1,2-Dibromo-3-chloropropa	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
100414	Ethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106434	p-Chlorotoluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108101	MIBK	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108383	m/p-Xylene	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
127184	Tetrachloroethene	1.75 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
100425	Styrene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
104518	n-Butylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108861	Bromobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
108907	Chlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
591786	2-Hexanone	1.25 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
630206	1,1,1,2-Tetrachloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74953	Dibromomethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75354	1,1-Dichloroethene	1.07 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
75718	Dichlorodifluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
156592	cis-1,2-Dichloroethene	2.50 UG/L	12/19/2012 02:00 AM	DLY	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
594207	2,2-Dichloropropane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
106467	1,4-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 023 Status: Completed

Test Codes/CAS#	Description	Reported Results	Date And Time Analyzed	Analyst	Test Method
108883	Toluene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
74975	Bromochloromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75694	Trichlorofluoromethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
79005	1,1,2-Trichloroethane	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87683	Hexachlorobutadiene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
91203	Naphthalene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95476	o-Xylene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
95501	1,2-Dichlorobenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
71432	Benzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
56235	Carbon Tetrachloride	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
75014	Chloroethene (vinyl chlor	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2
103651	n-Propylbenzene	0.250 UG/L (U)	12/19/2012 02:00 AM	DLY	EPA 524.2

****

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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Analytical Report FOR
Environmental Cleanup

Sample ID: 2170 023 Status: Completed

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 quantification 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 (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

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

_ - (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

Date of Issue: 06/08/2017 04:08:21

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 030 **Date Collected:** 05/23/2017 10:50:00 AM **Lab Sample ID:** O2017003739 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/24/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
8426 EASTON ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 8426 Easton - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

Sample ID: 2128 030 **Date Collected:** 05/23/2017 10:50:00 AM **Lab Sample ID:** O2017003739 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75343	1,1-Dichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
67641	Acetone	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75150	Carbon Disulfide	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 030 **Date Collected:** 05/23/2017 10:50:00 AM **Lab Sample ID:** O2017003739 **Status:** Completed

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75718 Dichlorodifluoromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
100414 Ethylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
87683 Hexachlorobutadiene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
98828 Isopropylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108383 m/p-Xylene	1.00 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
78933 MEK	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
1634044 Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75092 Methylene Chloride	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108101 MIBK	2.50 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
91203 Naphthalene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
104518 n-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
103651 n-Propylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95498 o-Chlorotoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
95476 o-Xylene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
106434 p-Chlorotoluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
135988 Sec-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
100425 Styrene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
75650 t-Butyl alcohol	5.00 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
98066 Tert-Butylbenzene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
127184 Tetrachloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
108883 Toluene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
156605 trans-1,2-Dichloroethene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
10061026 trans-1,3-Dichloropropene	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2
79016 Trichloroethene	5.88 UG/L	05/25/2017 02:00 AM	ALIU	EPA 524.2
75694 Trichlorofluoromethane	0.500 UG/L (U)	05/25/2017 02:00 AM	ALIU	EPA 524.2

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

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: 06/08/2017 04:06:19

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 003 **Date Collected:** 05/17/2017 09:30:00 AM **Lab Sample ID:** O2017003557 **Status:** Completed

Name of Sample Collector: Dustin Armstrong
Date Received: 05/18/2017

County: Bucks **State:**
Municipality: Nockamixon Twp
8432 EASTON ROAD

Sample Medium: Ground Water
Sample Medium Type: Water

Location: 8432 Easton - Pre Filter
Reason: Routine Sampling
Project: NOCK TCE Nockamixon TCE HSCA SITE
Suite: VOADW
Matrix: Water

Stream Condition:

Sample Lab Comment: sample analyzed by Method 524.3, NOT Method 524.2QC test(s) out of specification. Sample data not affected

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71556 1,1,1-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79345 1,1,2,2-Tetrachloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Sample ID: 2128 003 **Date Collected:** 05/17/2017 09:30:00 AM **Lab Sample ID:** O2017003557 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
79005	1,1,2-Trichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75343	1,1-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75354	1,1-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
563586	1,1-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87616	1,2,3-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
96184	1,2,3-Trichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
120821	1,2,4-Trichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95636	1,2,4-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95501	1,2-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
107062	1,2-Dichloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78875	1,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108678	1,3,5-Trimethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
541731	1,3-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
142289	1,3-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106467	1,4-Dichlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
594207	2,2-Dichloropropane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
591786	2-Hexanone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
99876	4-Isopropyltoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67641	Acetone	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
71432	Benzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108861	Bromobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74975	Bromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75274	Bromodichloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75252	Bromoform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74839	Bromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75150	Carbon Disulfide	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
56235	Carbon Tetrachloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108907	Chlorobenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75003	Chloroethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75014	Chloroethene (vinyl chloride)	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
67663	Chloroform	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74873	Chloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156592	cis-1,2-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061015	cis-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
124481	Dibromochloromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
74953	Dibromomethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

Analytical Report For
Environmental Cleanup

Sample ID: 2128 003 **Date Collected:** 05/17/2017 09:30:00 AM **Lab Sample ID:** O2017003557 **Status:** Completed

Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Approved by	Test Method
75718	Dichlorodifluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100414	Ethylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
87683	Hexachlorobutadiene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98828	Isopropylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108383	m/p-Xylene	1.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
78933	MEK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
1634044	Methyl Tert-Butyl Ether	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75092	Methylene Chloride	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108101	MIBK	2.50 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
91203	Naphthalene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
104518	n-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
103651	n-Propylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95498	o-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
95476	o-Xylene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
106434	p-Chlorotoluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
135988	Sec-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
100425	Styrene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75650	t-Butyl alcohol	5.00 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
98066	Tert-Butylbenzene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
127184	Tetrachloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
108883	Toluene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
156605	trans-1,2-Dichloroethene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
10061026	trans-1,3-Dichloropropene	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2
79016	Trichloroethene	32.1 UG/L (Q)	05/19/2017 02:00 AM	ALIU	EPA 524.2
75694	Trichlorofluoromethane	0.500 UG/L (U)	05/19/2017 02:00 AM	ALIU	EPA 524.2

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

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.