



Analytical Report

Serialized: 01/15/2013 06:01pm

ANTHONY DECICCO
HAMMONTON WATER DEPARTMENT
100 CENTRAL AVENUE

HAMMONTON, NJ 08037-1676

Regarding:

HAMMONTON WATER DEPARTMENT
100 CENTRAL AVENUE
HAMMONTON, NJ 08037-1676

PROJECT ID:

AP0142

LABORATORY REPORT NUMBER:

L4419200



A handwritten signature in black ink that reads 'Oommen V. Kappil'.

Authorized by: Oommen V. Kappil, QA Director

QCL Accreditations: Southampton Div: EPA ID PA00018; NELAP ID's: PA 09-00131, NJ PA166, NY 11223
State ID's: CT PH-0768, DE PA-018, MD 206, SC 89021001; FDA Reg. # : 2515238
ACL Div: NELAP ID's: PA 68-335, NJ DE568; State ID's: DE 00011, MD 138
Vineland Div: State ID: NJ 06005; Reading Div: State ID: PA 06-03543
Wind Gap Div: State ID's: PA 48-01334, NJ PA001
E. Rutherford Div: State ID: NJ 02015

ANTHONY DECICCO
 HAMMONTON WATER DEPARTMENT
 100 CENTRAL AVENUE
 HAMMONTON, NJ 08037-1676

Regarding:
 ANTHONY DECICCO
 HAMMONTON WATER DEPARTMENT
 100 CENTRAL AVENUE
 HAMMONTON, NJ 08037-1676

Account No: AP0142, HAMMONTON WATER DEPARTMENT
Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
PWSID No: 0113001

Sample Number L4419200-1 **Sample Description** WELL 1 WELL TAP RAW
Received Date/Time/Temp 01/02/13 08:20pm 0.8 C **Iced (Y/N):** Y
Samp. Date/Time/Temp 01/07/13 11:03am NA C **Sampled by** Sheri L. Smith, Qc Laboratories

Parameter	Method	Result	RLs	Test Date, Time, Analyst
GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES				
DICHLORODIFLUOROMETHANE	EPA 524.2	ND ug/l	0.350 ug/l*	01/07/13 10:58AM ARG
CHLOROMETHANE	EPA 524.2	ND ug/l	0.290 ug/l*	01/07/13 10:58AM ARG
VINYL CHLORIDE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 10:58AM ARG
BROMOMETHANE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 10:58AM ARG
CHLOROETHANE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 10:58AM ARG
TRICHLOROFUOROMETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 10:58AM ARG
1,1-DICHLOROETHENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 10:58AM ARG
METHYL TERTIARY BUTYL ETHER	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 10:58AM ARG
METHYLENE CHLORIDE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 10:58AM ARG
TRANS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 10:58AM ARG
1,1-DICHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 10:58AM ARG
CARBON TETRACHLORIDE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 10:58AM ARG
2,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 10:58AM ARG
CIS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
BROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 10:58AM ARG
CHLOROFORM	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 10:58AM ARG
1,1,1-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
1,1-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
BENZENE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 10:58AM ARG
1,2-DICHLOROETHANE	EPA 524.2	ND ug/l	0.0800 ug/l*	01/07/13 10:58AM ARG
TRICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
1,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 10:58AM ARG
DIBROMOMETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
BROMODICHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 10:58AM ARG
TOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 10:58AM ARG
TRANS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 10:58AM ARG
CIS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 10:58AM ARG
1,1,2-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 10:58AM ARG
1,3-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 10:58AM ARG
DIBROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 10:58AM ARG
1,2-DIBROMOETHANE	EPA 524.2	0.330 J ug/l	0.160 ug/l*	01/07/13 10:58AM ARG
TETRACHLOROETHENE	EPA 524.2	1.71 ug/l	0.130 ug/l*	01/07/13 10:58AM ARG
CHLOROENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG

QC Laboratories

Analytical Report

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
 PWSID No: 0113001

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-1 WELL 1 WELL TAP RAW 01/02/13 11:03am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES continued

1,1,1,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 10:58AM ARG
ETHYL BENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 10:58AM ARG
M&P-XYLENES	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 10:58AM ARG
O-XYLENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
STYRENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 10:58AM ARG
BROMOFORM	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
BROMOBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
ISOPROPYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
1,1,2,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 10:58AM ARG
1,2,3-TRICHLOROPROPANE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 10:58AM ARG
N-PROPYLBENZENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 10:58AM ARG
2-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 10:58AM ARG
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 10:58AM ARG
4-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 10:58AM ARG
T-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 10:58AM ARG
1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 10:58AM ARG
SEC-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 10:58AM ARG
P-ISOPROPYLTOLUENE	EPA 524.2	ND ug/l	0.170 ug/l*	01/07/13 10:58AM ARG
1,3-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 10:58AM ARG
1,4-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 10:58AM ARG
N-BUTYLBENZENE	EPA 524.2	ND ug/l	0.180 ug/l*	01/07/13 10:58AM ARG
1,2-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 10:58AM ARG
1,2-DIBROMO-3-CHLOROPROPANE	EPA 524.2	ND ug/l	0.280 ug/l*	01/07/13 10:58AM ARG
1,2,4-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 10:58AM ARG
HEXACHLOROBUTADIENE	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 10:58AM ARG
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 10:58AM ARG
1,2,3-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 10:58AM ARG

GAS CHROMATOGRAPHY

1,2-DIBROMOETHANE	EPA 504.1	0.347 ug/l	0.000522 ug/l*	01/14/13 05:01PM AKP
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1	ND ug/l	0.000540 ug/l*	01/14/13 05:01PM AKP
1,2,3-TRICHLOROPROPANE	EPA 504.1	0.0486 ug/l	0.00442 ug/l*	01/14/13 05:01PM AKP

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-2 WELL 1 BETWEEN TANK TAP 01/02/13 10:48am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES

DICHLORODIFLUOROMETHANE	EPA 524.2	ND ug/l	0.350 ug/l*	01/07/13 11:37AM ARG
CHLOROMETHANE	EPA 524.2	ND ug/l	0.290 ug/l*	01/07/13 11:37AM ARG
VINYL CHLORIDE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 11:37AM ARG
BROMOMETHANE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 11:37AM ARG
CHLOROETHANE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 11:37AM ARG
TRICHLOROFUOROMETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 11:37AM ARG
1,1-DICHLOROETHENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 11:37AM ARG

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
 PWSID No: 0113001

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-2 WELL 1 BETWEEN TANK TAP 01/02/13 10:48am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES continued

METHYL TERTIARY BUTYL ETHER	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 11:37AM ARG
METHYLENE CHLORIDE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 11:37AM ARG
TRANS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 11:37AM ARG
1,1-DICHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 11:37AM ARG
CARBON TETRACHLORIDE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 11:37AM ARG
2,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 11:37AM ARG
CIS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
BROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 11:37AM ARG
CHLOROFORM	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 11:37AM ARG
1,1,1-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
1,1-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
BENZENE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 11:37AM ARG
1,2-DICHLOROETHANE	EPA 524.2	ND ug/l	0.0800 ug/l*	01/07/13 11:37AM ARG
TRICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
1,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 11:37AM ARG
DIBROMOMETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
BROMODICHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 11:37AM ARG
TOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 11:37AM ARG
TRANS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 11:37AM ARG
CIS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 11:37AM ARG
1,1,2-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 11:37AM ARG
1,3-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 11:37AM ARG
DIBROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 11:37AM ARG
1,2-DIBROMOETHANE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 11:37AM ARG
TETRACHLOROETHENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 11:37AM ARG
CHLOROBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
1,1,1,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 11:37AM ARG
ETHYL BENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 11:37AM ARG
M&P-XYLENES	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 11:37AM ARG
O-XYLENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
STYRENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 11:37AM ARG
BROMOFORM	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
BROMOBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
ISOPROPYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
1,1,2,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 11:37AM ARG
1,2,3-TRICHLOROPROPANE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 11:37AM ARG
N-PROPYLBENZENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 11:37AM ARG
2-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 11:37AM ARG
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 11:37AM ARG
4-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 11:37AM ARG
T-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 11:37AM ARG
1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 11:37AM ARG
SEC-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 11:37AM ARG
P-ISOPROPYLTOLUENE	EPA 524.2	ND ug/l	0.170 ug/l*	01/07/13 11:37AM ARG
1,3-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 11:37AM ARG
1,4-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 11:37AM ARG
N-BUTYLBENZENE	EPA 524.2	ND ug/l	0.180 ug/l*	01/07/13 11:37AM ARG
1,2-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 11:37AM ARG
1,2-DIBROMO-3-CHLOROPROPANE	EPA 524.2	ND ug/l	0.280 ug/l*	01/07/13 11:37AM ARG

QC Laboratories

Analytical Report

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
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Sample Number Sample Description Samp. Date/Time/Temp Sampled by
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 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES continued

1,2,4-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 11:37AM ARG
HEXACHLOROBUTADIENE	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 11:37AM ARG
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 11:37AM ARG
1,2,3-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 11:37AM ARG

GAS CHROMATOGRAPHY

1,2-DIBROMOETHANE	EPA 504.1	ND ug/l	0.000523 ug/l*	01/14/13 05:24PM AKP
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1	ND ug/l	0.000541 ug/l*	01/14/13 05:24PM AKP
1,2,3-TRICHLOROPROPANE	EPA 504.1	ND ug/l	0.00443 ug/l*	01/14/13 05:24PM AKP

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-3 WELL 1 POE TREATED TANK TAP 01/02/13 10:54am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES

DICHLORODIFLUOROMETHANE	EPA 524.2	ND ug/l	0.350 ug/l*	01/07/13 12:15PM ARG
CHLOROMETHANE	EPA 524.2	ND ug/l	0.290 ug/l*	01/07/13 12:15PM ARG
VINYL CHLORIDE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:15PM ARG
BROMOMETHANE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:15PM ARG
CHLOROETHANE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:15PM ARG
TRICHLOROFUOROMETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:15PM ARG
1,1-DICHLOROETHENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:15PM ARG
METHYL TERTIARY BUTYL ETHER	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:15PM ARG
METHYLENE CHLORIDE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:15PM ARG
TRANS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:15PM ARG
1,1-DICHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:15PM ARG
CARBON TETRACHLORIDE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:15PM ARG
2,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 12:15PM ARG
CIS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
BROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:15PM ARG
CHLOROFORM	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:15PM ARG
1,1,1-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
1,1-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
BENZENE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 12:15PM ARG
1,2-DICHLOROETHANE	EPA 524.2	ND ug/l	0.0800 ug/l*	01/07/13 12:15PM ARG
TRICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
1,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:15PM ARG
DIBROMOMETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
BROMODICHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:15PM ARG
TOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:15PM ARG
TRANS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:15PM ARG
CIS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:15PM ARG
1,1,2-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 12:15PM ARG
1,3-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:15PM ARG
DIBROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:15PM ARG

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
 PWSID No: 0113001

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-3 WELL 1 POE TREATED TANK TAP 01/02/13 10:54am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES continued

1,2-DIBROMOETHANE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:15PM ARG
TETRACHLOROETHENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:15PM ARG
CHLOROENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
1,1,1,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:15PM ARG
ETHYL BENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:15PM ARG
M&P-XYLENES	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 12:15PM ARG
O-XYLENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
STYRENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:15PM ARG
BROMOFORM	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
BROMOBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
ISOPROPYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
1,1,2,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:15PM ARG
1,2,3-TRICHLOROPROPANE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 12:15PM ARG
N-PROPYLBENZENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:15PM ARG
2-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:15PM ARG
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:15PM ARG
4-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:15PM ARG
T-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:15PM ARG
1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:15PM ARG
SEC-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:15PM ARG
P-ISOPROPYLTOLUENE	EPA 524.2	ND ug/l	0.170 ug/l*	01/07/13 12:15PM ARG
1,3-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:15PM ARG
1,4-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 12:15PM ARG
N-BUTYLBENZENE	EPA 524.2	ND ug/l	0.180 ug/l*	01/07/13 12:15PM ARG
1,2-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:15PM ARG
1,2-DIBROMO-3-CHLOROPROPANE	EPA 524.2	ND ug/l	0.280 ug/l*	01/07/13 12:15PM ARG
1,2,4-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 12:15PM ARG
HEXACHLOROBUTADIENE	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 12:15PM ARG
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:15PM ARG
1,2,3-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:15PM ARG

GAS CHROMATOGRAPHY

1,2-DIBROMOETHANE	EPA 504.1	ND ug/l	0.000523 ug/l*	01/14/13 04:38PM AKP
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1	ND ug/l	0.000542 ug/l*	01/14/13 04:38PM AKP
1,2,3-TRICHLOROPROPANE	EPA 504.1	ND ug/l	0.00443 ug/l*	01/14/13 04:38PM AKP

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
 PWSID No: 0113001

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-4 WELL 3 WELL TAP RAW 01/02/13 08:20pm 0.8 C Iced (Y/N): Y 01/07/13 10:59am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES

DICHLORODIFLUOROMETHANE	EPA 524.2	ND ug/l	0.350 ug/l*	01/07/13 12:54PM ARG
CHLOROMETHANE	EPA 524.2	ND ug/l	0.290 ug/l*	01/07/13 12:54PM ARG
VINYL CHLORIDE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:54PM ARG
BROMOMETHANE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:54PM ARG
CHLOROETHANE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:54PM ARG
TRICHLOROFUOROMETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:54PM ARG
1,1-DICHLOROETHENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:54PM ARG
METHYL TERTIARY BUTYL ETHER	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:54PM ARG
METHYLENE CHLORIDE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:54PM ARG
TRANS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:54PM ARG
1,1-DICHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:54PM ARG
CARBON TETRACHLORIDE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:54PM ARG
2,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 12:54PM ARG
CIS-1,2-DICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
BROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:54PM ARG
CHLOROFORM	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:54PM ARG
1,1,1-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
1,1-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
BENZENE	EPA 524.2	ND ug/l	0.100 ug/l*	01/07/13 12:54PM ARG
1,2-DICHLOROETHANE	EPA 524.2	ND ug/l	0.0800 ug/l*	01/07/13 12:54PM ARG
TRICHLOROETHENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
1,2-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:54PM ARG
DIBROMOMETHANE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
BROMODICHLOROMETHANE	EPA 524.2	ND ug/l	0.0900 ug/l*	01/07/13 12:54PM ARG
TOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:54PM ARG
TRANS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:54PM ARG
CIS-1,3-DICHLOROPROPENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:54PM ARG
1,1,2-TRICHLOROETHANE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 12:54PM ARG
1,3-DICHLOROPROPANE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:54PM ARG
DIBROMOCHLOROMETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:54PM ARG
1,2-DIBROMOETHANE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:54PM ARG
TETRACHLOROETHENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:54PM ARG
CHLOROENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
1,1,1,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:54PM ARG
ETHYL BENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:54PM ARG
M&P-XYLENES	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 12:54PM ARG
O-XYLENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
STYRENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:54PM ARG
BROMOFORM	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
BROMOBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
ISOPROPYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
1,1,2,2-TETRACHLOROETHANE	EPA 524.2	ND ug/l	0.110 ug/l*	01/07/13 12:54PM ARG
1,2,3-TRICHLOROPROPANE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 12:54PM ARG
N-PROPYLBENZENE	EPA 524.2	ND ug/l	0.130 ug/l*	01/07/13 12:54PM ARG
2-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:54PM ARG
1,3,5-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.120 ug/l*	01/07/13 12:54PM ARG
4-CHLOROTOLUENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:54PM ARG
T-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:54PM ARG

Account No: AP0142, HAMMONTON WATER DEPARTMENT
 Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
 PWSID No: 0113001

Sample Number Sample Description Samp. Date/Time/Temp Sampled by
 L4419200-4 WELL 3 WELL TAP RAW 01/02/13 10:59am NA C Sheri L. Smith, Qc Laboratories
 Received Date/Time/Temp 01/02/13 08:20pm 0.8 C Iced (Y/N): Y

Parameter	Method	Result	RLs	Test Date, Time, Analyst
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GAS CHROMATOGRAPHY MASS SPECTROMETRY; VOLATILES continued

1,2,4-TRIMETHYLBENZENE	EPA 524.2	ND ug/l	0.140 ug/l*	01/07/13 12:54PM ARG
SEC-BUTYLBENZENE	EPA 524.2	ND ug/l	0.150 ug/l*	01/07/13 12:54PM ARG
P-ISOPROPYLTOLUENE	EPA 524.2	ND ug/l	0.170 ug/l*	01/07/13 12:54PM ARG
1,3-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:54PM ARG
1,4-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.220 ug/l*	01/07/13 12:54PM ARG
N-BUTYLBENZENE	EPA 524.2	ND ug/l	0.180 ug/l*	01/07/13 12:54PM ARG
1,2-DICHLOROBENZENE	EPA 524.2	ND ug/l	0.160 ug/l*	01/07/13 12:54PM ARG
1,2-DIBROMO-3-CHLOROPROPANE	EPA 524.2	ND ug/l	0.280 ug/l*	01/07/13 12:54PM ARG
1,2,4-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.190 ug/l*	01/07/13 12:54PM ARG
HEXACHLOROBUTADIENE	EPA 524.2	ND ug/l	0.240 ug/l*	01/07/13 12:54PM ARG
NAPHTHALENE	EPA 524.2	ND ug/l	0.500 ug/l*	01/07/13 12:54PM ARG
1,2,3-TRICHLOROBENZENE	EPA 524.2	ND ug/l	0.200 ug/l*	01/07/13 12:54PM ARG

GAS CHROMATOGRAPHY

1,2-DIBROMOETHANE	EPA 504.1	ND ug/l	0.000521 ug/l*	01/14/13 06:58PM AKP
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1	ND ug/l	0.000539 ug/l*	01/14/13 06:58PM AKP
1,2,3-TRICHLOROPROPANE	EPA 504.1	ND ug/l	0.00441 ug/l*	01/14/13 06:58PM AKP

L4419200-1 :

QUALIFIERS: For metals parameters; "B" indicates a value that is > than the MDL but < than the laboratory quantitation limit. For Organics parameters; "B" is when the compound is found in the blank as well as in the sample; "J" indicates a value that is > than the MDL but < than the lowest standard, it is also used to indicate that a compound is tentatively identified in a library search; "E" (estimated) is when a compound exceeded the calibration range; "N" presumptive evidence of a compound; "D" is when a dilution was required.

Notes:

A result of "ND" indicates that the analyte tested was either not detected or the concentration was below the RLs.
 Definitions: NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident; TNTC= Too numerous to count; pres=presumptive
 A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.
 MCL= EPA recommended "maximum contaminant level", PLs = Customer-specific permit limits.
 The test results meet all requirements of NELAC unless otherwise specified.
 The report shall not be reproduced except in full without the written consent of the laboratory.
 Unless otherwise specified, the Environmental and Food Chemistry testing except Field Parameters were performed by QC Inc. located at 1205 Industrial Blvd., Southampton, PA 18966; Pharmaceutical, Dairy and Food Microbiological tests were performed by QC Inc. located at 702 Electronic Dr., Horsham, PA 19044.
 QCL Accreditations: Southampton Div: EPA ID PA00018; NELAP ID's: PA 09-00131, NJ PA166, NY 11223
 State ID's: CT PH-0768, DE PA-018, MD 206, SC 89021001; FDA Reg. # : 2515238
 ACL Div: State ID's: DE 00011, MD 138; Wind Gap Div: State ID's: PA 48-01334, NJ PA001
 E. Rutherford Div: State ID: NJ 02015; Vineland Div: State ID: NJ 06005; Reading Div: State ID: PA 06-03543
 The reported results relate only to the samples.
 All samples are collected as "grab" samples unless otherwise identified.

Regulatory authorities are assessing substantial fines for testing omissions. Please track your sample collections and results on a weekly, monthly, or quarterly basis to ensure compliance. QC's internet program 'LIVE ACCESS' will provide you with real-time access to collection dates and results. Please contact Customer Service for further information on acquiring LIVE ACCESS.
 * - The "RLs" represents a reporting/quantitation limit. When an "*" is present in the column identified as the "RLs", it is being reported as a

Account No: AP0142, HAMMONTON WATER DEPARTMENT
Project No: AP0142, HAMMONTON WATER DEPARTMENT

P.O. No:

Inv. No: 1484287
PWSID No: 0113001

Method Detection Limit (MDL).



Hammarata Water Department

AP0142

PickSheet: P4419200 P.O. #: TESTPO
 Cust: TEST1 Project Name: -
 Schd: 11190 Start Date: 01/01/95 Stop Date:
 Blank pick sheet for use in-house

MONDAY 07/12/21 - 07/12/21

Printed on: 12/10/12

609-567-4332
 (215)555-5555 HOME
 (215)333-3333 HOME #2
 (215)355-3535 PHONE #
 Route: 1

	Sample	Collect	Received	Tested	Complete
Date	1/2/13				
Time					
By	SLS				
Temp.	°C	°C		°C	App.

Temp	Site	Initials	Iced?
3.4 °C	V	SLS	YES NO
0.8 °C	QC	PR	YES NO

X: _____ Y: _____ PWSID: 0001234
 ToT # Btls BR CL PH

Sample ID	Location	Analysis	Notes	Date/Time	Initials
4419200-1	well 1	VOC & SOC	Raw well	1/03	
4419200-2	well 1	VOC & SOC	Tank tap	1/08	
4419200-3	well 1	VOC & SOC	Tank tap for treated	1/04	
4419200-4	well 3	VOC & SOC	well tap Raw	1/09	

FEB 01 02 13 SLS - see L4450036-3 QA

Dept.	Relinquished By	Time	Date
	[Signature]	1530	1/2/13
	[Signature]	2020	1/2/13

Dept.	Relinquished To	Time	Date
	[Signature]	1530	1/2/13
	[Signature]	2020	1/2/13

12 TB Ascorbic/HCL Vials # _____ HCL Vials
 # 12 TB Na2-S2-03 vials
 # _____ Na OH/Zn acetate pH _____
 # _____ HNO3 pH _____
 # _____ H2-SO4 pH _____
 # _____ NaOH pH _____
 # _____ Unpreserved # _____ HCL pH _____

Hours of Operation: M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: -

QC LABORATORIES
FIELD SERVICE REQUEST FORM
Dec 19 2012, 11:13 am

ANTHONY DECICCO
HAMMONTON WATER DEPARTMENT
100 CENTRAL AVENUE
HAMMONTON, NJ 08037-1676

Project No.: AP0142
Phone: (609) 567-4332
Fax: (609) 567-4352
Cell: () -

Primary Driver: SLS

Service Date: 01/02/13 To 01/02/13

Open: 08:00AM Close: 04:00PM

SAMPLING

Delivery Charge:

Day of Week: WED

Sampling Instructions:

WELL 3 WELL TAP WEL 1 RAW , IN BETWEEN TANKS & TREATED

Contact: .

Bottle Prep: FIELD SERVICE TO PREPARE

Rush Samples:

Service to be performed at:

PLEASE TAKE A VOC & SOC SAMPLE FROM WELL 3 POE WELL 1 RAW IN BETWEEN
TANKS & POE. THANKS VNU

Requested by: Lorraine McCarthy Ext:
Entry date: 12/19/12 11:12AM

Call received: 12/19/12 11:07AM

Field Service Request No.: FS184767
Service Time: 15 minutes
Equip Code: DW

QC Laboratories

1205 Industrial Highway, Southampton, PA 18966

VINELAND



Inter-Laboratory Transport Form: VN010213

Coolers for Transport

from VINELAND

To be completed by person sealing coolers					Complete Section Upon Delivery	
Cooler ID No.	Custody Seal No.	Date	Time	Initials	Temp °C	Iced Y/N
62 utm	010213-1	1/2/13	1725 1725	GAH	3.9	Y
36	-2	↓	↓	↓	0.2°	Y
4	-3	↓	↓	↓	-0.7	Y
2	-4	↓	↓	↓	-0.9	Y
9	-5	↓	↓	↓	0.8°	Y
280	-6	↓	↓	↓	0.6	Y
632	-7	↓	↓	↓	1.9°	Y
	GA	GA	GA	GA		

Please Note the Following:

Individual sample chains of custody must accompany this form.

Once a cooler is sealed, custody seals may not be broken until samples are received at the designated QCL laboratory.

Laboratory use only

Custody Seals intact upon receipt? Y N

Initials: PR

List ID of any seal found broken upon receipt below:

A full legal signature is required. Record all times in military time (24-HR Clock: 4:00 PM=1600)

Relinquished by: <i>[Signature]</i>	Date: 1/2/13	Time: 12:23 2010 2020	Received by: PRosado	Date: 1-2-2013	Time: 20:20
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time: