



ANALYTICAL REPORT

Lab Number:	L1820286
Client:	CH2M / Dow Chemical Company 299 Madison Ave. Morristown, NJ 07960
ATTN:	David Newman
Phone:	(862) 242-7061
Project Name:	FORMER HAMPSHIRE CHEMICAL CORP
Project Number:	701970.01.SA
Report Date:	06/11/18

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Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1820286-01	MW17-053118	WATER	WATERLOO, NY	05/31/18 12:00	06/01/18
L1820286-02	TW01-053118	WATER	WATERLOO, NY	05/31/18 14:10	06/01/18
L1820286-03	MW18-053118	WATER	WATERLOO, NY	05/31/18 15:00	06/01/18
L1820286-04	DUP-GW-053118	WATER	WATERLOO, NY	05/31/18 08:00	06/01/18
L1820286-05	MW26-060118	WATER	WATERLOO, NY	06/01/18 10:00	06/01/18
L1820286-06	MW07-060118	WATER	WATERLOO, NY	06/01/18 11:30	06/01/18
L1820286-07	TB-060118-1	WATER	WATERLOO, NY	06/01/18 15:00	06/01/18
L1820286-08	TB-060118-2	WATER	WATERLOO, NY	06/01/18 15:05	06/01/18

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
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Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
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Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1820286-01 through -08 and the associated Method Blank were evaluated for the presence of the following project specific TIC and were determined to be non-detect: dimethyl sulfide.

The initial calibration, associated with L1820286-01 through -08, did not meet the method required minimum response factor for the calibration standards for bromodichloromethane, cis-1,3-dichloropropene, bromomethane, chloroethane, trichloroethene, dibromomethane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, bromochloromethane, and 1,4-dioxane.

The continuing calibration, associated with L1820286-01 through -08, did not meet the method required minimum response factor for 1,1,2,2-tetrachloroethane, bromomethane, chloroethane, trichloroethene, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone.

WG1123598-2: The continuing calibration verification standard has the percent deviation for 1,2,3-trichlorobenzene (34%) and 1,4-dioxane (39%D) above the 20% CCV criteria, but within overall method allowances.

Semivolatile Organics

The WG1123082-2 LCS recovery, associated with L1820286-06, is below the individual acceptance criteria for 4-chloroaniline (37%), but within the overall method allowances. The results of the associated sample are reported.

Semivolatile Organics by SIM

WG1123880: The MS recoveries, associated with L1820286-01, were outside the acceptance criteria for perylene-d12 and chrysene-d12; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported, along with the re-extracted MS/MSD.

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Case Narrative (continued)

Dissolved Metals

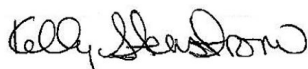
The WG1122966-3 MS recovery for iron (126%), performed on L1820286-01, does not apply because the sample concentration is greater than four times the spike amount added.

Total Metals

The WG1123102-3/-4 MS/MSD recoveries for calcium (70%/130%) and sodium (275%/305%), performed on L1820286-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/11/18

ORGANICS

VOLATILES

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-01
 Client ID: MW17-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 12:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 10:28
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-01
 Client ID: MW17-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 12:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-01
 Client ID: MW17-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 12:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
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Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-02
 Client ID: TW01-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 14:10
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 10:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
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SAMPLE RESULTS

Lab ID: L1820286-02
Client ID: TW01-053118
Sample Location: WATERLOO, NY

Date Collected: 05/31/18 14:10
Date Received: 06/01/18
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-02
 Client ID: TW01-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 14:10
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

Total TIC Compounds	1.12	J	ug/l			1
Unknown	1.12	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-03
 Client ID: MW18-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 15:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 11:18
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-03
 Client ID: MW18-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 15:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-03
 Client ID: MW18-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 15:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-04
 Client ID: DUP-GW-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 08:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 11:44
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-04
 Client ID: DUP-GW-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 08:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-04
 Client ID: DUP-GW-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 08:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

Total TIC Compounds	1.05	J	ug/l			1
Unknown	1.05	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-05
 Client ID: MW26-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 10:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 12:09
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-05
 Client ID: MW26-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 10:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-05
 Client ID: MW26-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 10:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

Total TIC Compounds	1.07	J	ug/l			1
Sulfur Dioxide	1.07	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 12:34
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-07
 Client ID: TB-060118-1
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:00
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 12:59
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-07
 Client ID: TB-060118-1
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:00
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-07
 Client ID: TB-060118-1
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:00
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-08
 Client ID: TB-060118-2
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:05
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/07/18 13:24
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-08
 Client ID: TB-060118-2
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:05
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-08
 Client ID: TB-060118-2
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 15:05
 Date Received: 06/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1123598-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1123598-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1123598-5					
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	0.79	J	ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1123598-3 WG1123598-4								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	98		95		70-130	3		20
Chloroform	99		94		70-130	5		20
Carbon tetrachloride	96		91		63-132	5		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	83		80		63-130	4		20
1,1,2-Trichloroethane	96		94		70-130	2		20
Tetrachloroethene	96		92		70-130	4		20
Chlorobenzene	98		95		75-130	3		20
Trichlorofluoromethane	92		82		62-150	11		20
1,2-Dichloroethane	93		92		70-130	1		20
1,1,1-Trichloroethane	96		92		67-130	4		20
Bromodichloromethane	96		94		67-130	2		20
trans-1,3-Dichloropropene	87		84		70-130	4		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	96		93		70-130	3		20
Bromoform	78		75		54-136	4		20
1,1,2,2-Tetrachloroethane	93		91		67-130	2		20
Benzene	100		97		70-130	3		20
Toluene	98		94		70-130	4		20
Ethylbenzene	98		94		70-130	4		20
Chloromethane	100		97		64-130	3		20
Bromomethane	120		110		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1123598-3 WG1123598-4								
Vinyl chloride	98		92		55-140	6		20
Chloroethane	120		100		55-138	18		20
1,1-Dichloroethene	95		91		61-145	4		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	96		91		70-130	5		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	96		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	93		93		70-130	0		20
1,2,3-Trichloropropane	91		88		64-130	3		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	86		81		36-147	6		20
Acetone	84		86		58-148	2		20
Carbon disulfide	98		94		51-130	4		20
2-Butanone	92		84		63-138	9		20
Vinyl acetate	96		94		70-130	2		20
4-Methyl-2-pentanone	89		87		59-130	2		20
2-Hexanone	86		86		57-130	0		20
Bromochloromethane	100		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1123598-3 WG1123598-4								
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	95		92		70-130	3		20
1,3-Dichloropropane	95		93		70-130	2		20
1,1,1,2-Tetrachloroethane	98		96		64-130	2		20
Bromobenzene	100		97		70-130	3		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		97		70-130	3		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	100		98		70-130	2		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	72		72		41-144	0		20
Hexachlorobutadiene	120		110		63-130	9		20
Isopropylbenzene	100		99		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	86		89		70-130	3		20
n-Propylbenzene	100		97		69-130	3		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	106		102		56-162	4		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1123598-3 WG1123598-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	96		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MW17-053118												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	8.9	89		8.7	87		63-130	2		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	9.9	99		10	100		70-130	1		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	8.9	89		8.7	87		70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
Bromoform	ND	10	8.3	83		8.1	81		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.6	96		67-130	4		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	4.3	43		5.2	52		39-139	19		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MW17-053118												
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	21	105		21	105		70-130	0		20
o-Xylene	ND	20	21	105		22	110		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	11	110		9.6	96		64-130	14		20
Styrene	ND	20	21	105		22	110		70-130	5		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	ND	10	10	100		10	100		58-148	0		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	9.7	97		9.3	93		63-138	4		20
Vinyl acetate	ND	10	10	100		9.7	97		70-130	3		20
4-Methyl-2-pentanone	ND	10	9.2	92		8.5	85		59-130	8		20
2-Hexanone	ND	10	8.5	85		8.3	83		57-130	2		20
Bromochloromethane	ND	10	11	110		10	100		70-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MW17-053118												
2,2-Dichloropropane	ND	10	10	100		10	100		63-133	0		20
1,2-Dibromoethane	ND	10	10	100		9.8	98		70-130	2		20
1,3-Dichloropropane	ND	10	10	100		9.9	99		70-130	1		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	9.8	98		10	100		70-130	2		20
n-Butylbenzene	ND	10	10	100		11	110		53-136	10		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
o-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
p-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	7.7	77		7.4	74		41-144	4		20
Hexachlorobutadiene	ND	10	9.4	94		10	100		63-130	6		20
Isopropylbenzene	ND	10	10	100		11	110		70-130	10		20
p-Isopropyltoluene	ND	10	10	100		11	110		70-130	10		20
Naphthalene	ND	10	7.7	77		7.8	78		70-130	1		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.9	89		9.1	91		70-130	2		20
1,2,4-Trichlorobenzene	ND	10	9.2	92		9.6	96		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	10	100		11	110		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dioxane	ND	500	460	92		550	110		56-162	18		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MW17-053118

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	97		93		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	100		99		70-130
Toluene-d8	98		99		70-130

SEMIVOLATILES

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-01
 Client ID: MW17-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 12:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 08:58
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		15-120
4-Terphenyl-d14	77		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-01 RE
 Client ID: MW17-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 12:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/11/18 12:53
 Analyst: KL

Extraction Method: EPA 3510C
 Extraction Date: 06/08/18 19:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	81		15-120
4-Terphenyl-d14	80		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-02
 Client ID: TW01-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 14:10
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 11:57
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	70		15-120
4-Terphenyl-d14	78		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-03
 Client ID: MW18-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 15:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 12:24
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	69		15-120
4-Terphenyl-d14	78		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-04
 Client ID: DUP-GW-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 08:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 12:52
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	58		15-120
4-Terphenyl-d14	65		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-05
 Client ID: MW26-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 10:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 13:19
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	67		15-120
4-Terphenyl-d14	70		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 06/07/18 12:59
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.5	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds

Total TIC Compounds	23.8	J	ug/l	1
Aldol Condensate	23.8	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	74		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 06/08/18 13:47
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

SAMPLE RESULTS

Lab ID: L1820286-06
 Client ID: MW07-060118
 Sample Location: WATERLOO, NY

Date Collected: 06/01/18 11:30
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	67		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/18 11:31
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 06/06/18 12:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1123082-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/18 11:31
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 06/06/18 12:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1123082-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	20.5	J	ug/l
Unknown Organic Acid	1.93	J	ug/l
Aldol Condensate	18.6	J	ug/l

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/07/18 11:31
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 06/06/18 12:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1123082-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	74		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/07/18 13:50
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1123083-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/07/18 13:50
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/06/18 12:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1123083-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	70		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 10:43
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/08/18 19:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1124101-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.04	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	77		15-120
4-Terphenyl-d14	80		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1123082-2 WG1123082-3								
1,2,4-Trichlorobenzene	66		63		39-98	5		30
Bis(2-chloroethyl)ether	69		62		40-140	11		30
1,2-Dichlorobenzene	65		61		40-140	6		30
1,3-Dichlorobenzene	62		59		40-140	5		30
1,4-Dichlorobenzene	65		59		36-97	10		30
3,3'-Dichlorobenzidine	52		47		40-140	10		30
2,4-Dinitrotoluene	91		91		48-143	0		30
2,6-Dinitrotoluene	82		82		40-140	0		30
4-Chlorophenyl phenyl ether	88		80		40-140	10		30
4-Bromophenyl phenyl ether	86		86		40-140	0		30
Bis(2-chloroisopropyl)ether	61		59		40-140	3		30
Bis(2-chloroethoxy)methane	72		66		40-140	9		30
Hexachlorocyclopentadiene	68		61		40-140	11		30
Isophorone	81		77		40-140	5		30
Nitrobenzene	75		70		40-140	7		30
NDPA/DPA	84		80		40-140	5		30
n-Nitrosodi-n-propylamine	77		74		29-132	4		30
Bis(2-ethylhexyl)phthalate	81		84		40-140	4		30
Butyl benzyl phthalate	88		83		40-140	6		30
Di-n-butylphthalate	88		86		40-140	2		30
Di-n-octylphthalate	83		80		40-140	4		30
Diethyl phthalate	93		87		40-140	7		30
Dimethyl phthalate	84		81		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1123082-2 WG1123082-3								
Biphenyl	77		72		40-140	7		30
4-Chloroaniline	37	Q	45		40-140	20		30
2-Nitroaniline	78		72		52-143	8		30
3-Nitroaniline	74		71		25-145	4		30
4-Nitroaniline	87		86		51-143	1		30
Dibenzofuran	83		79		40-140	5		30
1,2,4,5-Tetrachlorobenzene	74		70		2-134	6		30
Acetophenone	76		72		39-129	5		30
2,4,6-Trichlorophenol	70		67		30-130	4		30
p-Chloro-m-cresol	84		79		23-97	6		30
2-Chlorophenol	70		67		27-123	4		30
2,4-Dichlorophenol	80		75		30-130	6		30
2,4-Dimethylphenol	73		60		30-130	20		30
2-Nitrophenol	71		68		30-130	4		30
4-Nitrophenol	74		73		10-80	1		30
2,4-Dinitrophenol	53		58		20-130	9		30
4,6-Dinitro-o-cresol	66		70		20-164	6		30
Phenol	54		50		12-110	8		30
2-Methylphenol	72		66		30-130	9		30
3-Methylphenol/4-Methylphenol	72		65		30-130	10		30
2,4,5-Trichlorophenol	74		76		30-130	3		30
Benzoic Acid	54		62		10-164	14		30
Benzyl Alcohol	72		65		26-116	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1123082-2 WG1123082-3								
Carbazole	88		83		55-144	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		55		21-120
Phenol-d6	52		48		10-120
Nitrobenzene-d5	67		61		23-120
2-Fluorobiphenyl	67		61		15-120
2,4,6-Tribromophenol	84		86		10-120
4-Terphenyl-d14	81		74		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1123083-2 WG1123083-3								
Acenaphthene	78		93		40-140	18		40
2-Chloronaphthalene	64		78		40-140	20		40
Fluoranthene	77		90		40-140	16		40
Hexachlorobutadiene	57		68		40-140	18		40
Naphthalene	62		85		40-140	31		40
Benzo(a)anthracene	97		110		40-140	13		40
Benzo(a)pyrene	80		91		40-140	13		40
Benzo(b)fluoranthene	80		92		40-140	14		40
Benzo(k)fluoranthene	78		91		40-140	15		40
Chrysene	81		92		40-140	13		40
Acenaphthylene	72		86		40-140	18		40
Anthracene	79		92		40-140	15		40
Benzo(ghi)perylene	84		95		40-140	12		40
Fluorene	79		94		40-140	17		40
Phenanthrene	80		94		40-140	16		40
Dibenzo(a,h)anthracene	86		97		40-140	12		40
Indeno(1,2,3-cd)pyrene	86		97		40-140	12		40
Pyrene	77		90		40-140	16		40
2-Methylnaphthalene	64		82		40-140	25		40
Pentachlorophenol	74		87		40-140	16		40
Hexachlorobenzene	77		89		40-140	14		40
Hexachloroethane	52		65		40-140	22		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1123083-2 WG1123083-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		64		21-120
Phenol-d6	42		54		10-120
Nitrobenzene-d5	57		71		23-120
2-Fluorobiphenyl	57		69		15-120
2,4,6-Tribromophenol	88		104		10-120
4-Terphenyl-d14	65		76		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1124101-2 WG1124101-3								
Acenaphthene	96		94		40-140	2		40
2-Chloronaphthalene	87		83		40-140	5		40
Fluoranthene	97		95		40-140	2		40
Naphthalene	86		80		40-140	7		40
Benzo(a)anthracene	102		101		40-140	1		40
Benzo(a)pyrene	92		91		40-140	1		40
Benzo(b)fluoranthene	94		92		40-140	2		40
Benzo(k)fluoranthene	90		89		40-140	1		40
Chrysene	91		90		40-140	1		40
Acenaphthylene	98		94		40-140	4		40
Anthracene	92		92		40-140	0		40
Benzo(ghi)perylene	88		86		40-140	2		40
Fluorene	101		98		40-140	3		40
Phenanthrene	93		92		40-140	1		40
Dibenzo(a,h)anthracene	91		89		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		88		40-140	2		40
Pyrene	93		91		40-140	2		40
2-Methylnaphthalene	86		81		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1124101-2 WG1124101-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	76		72		23-120
2-Fluorobiphenyl	76		73		15-120
4-Terphenyl-d14	78		76		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Lab Number: L1820286

Project Number: 701970.01.SA

Report Date: 06/11/18

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1124101-4 WG1124101-5 QC Sample: L1820286-01 Client ID: MW17-053118												
Acenaphthene	ND	3.64	3.7	100		3.5	96		40-140	6		40
2-Chloronaphthalene	ND	3.64	3.3	91		3.1	85		40-140	6		40
Fluoranthene	ND	3.64	3.6	99		3.6	99		40-140	0		40
Naphthalene	0.06J	3.64	3.2	88		3.0	83		40-140	6		40
Benzo(a)anthracene	ND	3.64	3.8	100		3.8	100		40-140	0		40
Benzo(a)pyrene	ND	3.64	3.5	96		3.4	94		40-140	3		40
Benzo(b)fluoranthene	ND	3.64	3.5	96		3.4	94		40-140	3		40
Benzo(k)fluoranthene	ND	3.64	3.4	94		3.4	94		40-140	0		40
Chrysene	ND	3.64	3.4	94		3.4	94		40-140	0		40
Acenaphthylene	ND	3.64	3.7	100		3.5	96		40-140	6		40
Anthracene	ND	3.64	3.5	96		3.4	94		40-140	3		40
Benzo(ghi)perylene	ND	3.64	3.3	91		3.3	91		40-140	0		40
Fluorene	ND	3.64	3.8	100		3.7	100		40-140	3		40
Phenanthrene	ND	3.64	3.6	99		3.4	94		40-140	6		40
Dibenzo(a,h)anthracene	ND	3.64	3.4	94		3.4	94		40-140	0		40
Indeno(1,2,3-cd)pyrene	ND	3.64	3.4	94		3.3	91		40-140	3		40
Pyrene	ND	3.64	3.5	96		3.4	94		40-140	3		40
2-Methylnaphthalene	ND	3.64	3.2	88		3.0	83		40-140	6		40

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2-Fluorobiphenyl	79		76		15-120
4-Terphenyl-d14	80		79		41-149

Matrix Spike Analysis**Batch Quality Control****Project Name:** FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1124101-4 WG1124101-5 QC Sample: L1820286-01 Client ID: MW17-053118

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		75		23-120

METALS

Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-01

Date Collected: 05/31/18 12:00

Client ID: MW17-053118

Date Received: 06/01/18

Sample Location: WATERLOO, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02173		mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Calcium, Total	158.		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Iron, Total	6.63		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Magnesium, Total	31.7		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Manganese, Total	0.6827		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Potassium, Total	9.06		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Sodium, Total	98.5		mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 14:26	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 15:48	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.02139		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 15:48	EPA 3005A	1,6020A	AM
Iron, Dissolved	6.55		mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 15:48	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.6641		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 15:48	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-02

Date Collected: 05/31/18 14:10

Client ID: TW01-053118

Date Received: 06/01/18

Sample Location: WATERLOO, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0189		mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00357		mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Calcium, Total	169.		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Iron, Total	61.8		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Magnesium, Total	35.3		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Manganese, Total	0.4342		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Potassium, Total	9.56		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Sodium, Total	102.		mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 14:42	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 16:03	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00343		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 16:03	EPA 3005A	1,6020A	AM
Iron, Dissolved	59.6		mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 16:03	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.4102		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 16:03	EPA 3005A	1,6020A	AM



Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-03

Date Collected: 05/31/18 15:00

Client ID: MW18-053118

Date Received: 06/01/18

Sample Location: WATERLOO, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.525		mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00279		mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Calcium, Total	163.		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Iron, Total	26.0		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Magnesium, Total	23.6		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Manganese, Total	0.8926		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Potassium, Total	8.86		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Sodium, Total	220.		mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 14:45	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00806	J	mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 16:43	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00199		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 16:43	EPA 3005A	1,6020A	AM
Iron, Dissolved	24.3		mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 16:43	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.8904		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 16:43	EPA 3005A	1,6020A	AM



Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-04
 Client ID: DUP-GW-053118
 Sample Location: WATERLOO, NY

Date Collected: 05/31/18 08:00
 Date Received: 06/01/18
 Field Prep: Refer to COC

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00878	J	mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00353		mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Calcium, Total	160.		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Iron, Total	59.4		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Magnesium, Total	34.2		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Manganese, Total	0.4120		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Potassium, Total	9.25		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Sodium, Total	98.4		mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 13:33	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0225		mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 16:47	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00345		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 16:47	EPA 3005A	1,6020A	AM
Iron, Dissolved	60.4		mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 16:47	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.4190		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 16:47	EPA 3005A	1,6020A	AM



Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-05

Date Collected: 06/01/18 10:00

Client ID: MW26-060118

Date Received: 06/01/18

Sample Location: WATERLOO, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0234		mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00027	J	mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Calcium, Total	72.9		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Iron, Total	0.0960		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Magnesium, Total	14.2		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Manganese, Total	0.1108		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Potassium, Total	3.23		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Sodium, Total	64.5		mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 13:37	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 16:51	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 16:51	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.105		mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 16:51	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.1079		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 16:51	EPA 3005A	1,6020A	AM



Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**SAMPLE RESULTS**

Lab ID: L1820286-06

Date Collected: 06/01/18 11:30

Client ID: MW07-060118

Date Received: 06/01/18

Sample Location: WATERLOO, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.235		mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00225		mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Calcium, Total	136.		mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Iron, Total	0.388		mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Magnesium, Total	20.2		mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Manganese, Total	0.04271		mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Potassium, Total	4.56		mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 13:41	EPA 3005A	1,6020A	AM
Sodium, Total	625.		mg/l	5.00	1.46	50	06/06/18 14:00	06/07/18 16:30	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 16:55	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00194		mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 16:55	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0417	J	mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 16:55	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.03435		mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 16:55	EPA 3005A	1,6020A	AM



Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1122966-1									
Aluminum, Dissolved	ND	mg/l	0.0100	0.00327	1	06/06/18 10:10	06/06/18 15:40	1,6020A	AM
Arsenic, Dissolved	ND	mg/l	0.00050	0.00016	1	06/06/18 10:10	06/06/18 15:40	1,6020A	AM
Iron, Dissolved	ND	mg/l	0.0500	0.0191	1	06/06/18 10:10	06/06/18 15:40	1,6020A	AM
Manganese, Dissolved	ND	mg/l	0.00100	0.00044	1	06/06/18 10:10	06/06/18 15:40	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1123102-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Calcium, Total	0.0590 J	mg/l	0.100	0.0394	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Iron, Total	0.0298 J	mg/l	0.0500	0.0191	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Manganese, Total	0.00054 J	mg/l	0.00100	0.00044	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	06/06/18 14:00	06/07/18 16:42	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1122966-2								
Aluminum, Dissolved	94		-		80-120	-		
Arsenic, Dissolved	104		-		80-120	-		
Iron, Dissolved	102		-		80-120	-		
Manganese, Dissolved	94		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1123102-2								
Aluminum, Total	101		-		80-120	-		
Arsenic, Total	109		-		80-120	-		
Calcium, Total	90		-		80-120	-		
Iron, Total	104		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Sodium, Total	99		-		80-120	-		

Matrix Spike Analysis Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1122966-3 WG1122966-4 QC Sample: L1820286-01 Client ID: MW17-053118												
Aluminum, Dissolved	ND	2	1.93	96		1.92	96		75-125	1		20
Arsenic, Dissolved	0.02139	0.12	0.1451	103		0.1456	104		75-125	0		20
Iron, Dissolved	6.55	1	7.81	126	Q	7.56	101		75-125	3		20
Manganese, Dissolved	0.6641	0.5	1.135	94		1.128	93		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1123102-3 WG1123102-4 QC Sample: L1820286-01 Client ID: MW17-053118												
Aluminum, Total	ND	2	1.99	100		2.01	100		75-125	1		20
Arsenic, Total	0.02173	0.12	0.1490	106		0.1518	108		75-125	2		20
Calcium, Total	158.	10	165	70	Q	171	130	Q	75-125	4		20
Iron, Total	6.63	1	7.64	101		7.83	120		75-125	2		20
Magnesium, Total	31.7	10	43.0	113		43.4	117		75-125	1		20
Manganese, Total	0.6827	0.5	1.154	94		1.186	101		75-125	3		20
Potassium, Total	9.06	10	18.2	91		19.0	99		75-125	4		20
Sodium, Total	98.5	10	126	275	Q	129	305	Q	75-125	2		20

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Serial_No:06111816:46
Lab Number: L1820286
Report Date: 06/11/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820286-01A	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01A1	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-01A2	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01B	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01B1	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01B2	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01C	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01C1	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01C2	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-01D	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-01D1	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-01D2	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-01E	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-01E1	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-01E2	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-01F	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-01F1	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)

*Values in parentheses indicate holding time in days



Project Name: FORMER HAMPSHIRE CHEMICAL CORP**Lab Number:** L1820286**Project Number:** 701970.01.SA**Report Date:** 06/11/18**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820286-01F2	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-01G	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-01G1	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-01G2	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-02A	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-02B	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-02D	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-02E	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-02F	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-02G	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-03A	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-03B	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-03C	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-03D	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-03E	Plastic 250ml HNO3 preserved	B	<2	<2	5.2	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-03F	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-03G	Amber 250ml unpreserved	B	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-04A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-04B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-04C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-04D	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-04E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-04F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7)

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Serial_No:06111816:46
Lab Number: L1820286
Report Date: 06/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820286-04G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-05A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-05B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-05C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-05D	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-05F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-05G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1820286-06A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-06B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-06C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-06D	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180)
L1820286-06E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820286-06F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820286-06G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820286-06H	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820286-06I	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820286-07A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-07B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1820286-08A	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)
L1820286-08B	Vial HCl preserved	B	NA		5.2	Y	Absent		NYTCL-8260(14)

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA

Lab Number: L1820286
Report Date: 06/11/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Lab Number: L1820286
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1820286

JACOBS		Chain of Custody Record				LABORATORY: Alpha Analytical, 8 Walkup Dr, Westborough, MA 01581 (800) 624-9220																														
PROJECT: Former Hampshire Chemical Corp., Waterloo, NY		PROJECT MANAGER & REPORT TO #1: David Newman 299 Madison Ave., Morristown, NJ 07960 862.242.7061, david.newman@jacobs.com				PROJECT CONTACT & REPORT TO #2: Shane Lowe 501 N Broadway, St. Louis, MO 63102 314.335.5075, shane.lowe@jacobs.com																														
PURCHASE ORDER # 033004004 703077		DATA PACKAGE: Level IV				ANALYSES REQUESTED																														
TURNAROUND TIME: Standard		PROGRAM: RCRA				PRESERVATIVE CODES (H=HCl, N=HNO ₃ , S=H ₂ SO ₄ , Zn=zinc acetate, B=NaOH, --=none)																														
SAMPLER(s): Dan Holmes		SIGNATURE: <i>David Newman</i>				<table border="1"> <tr> <td>H</td><td>N</td><td>N</td><td>N</td><td>N</td><td>-</td><td>-</td><td>S</td><td>-</td><td>Z,B</td><td>N</td><td>-</td><td>-</td> </tr> <tr> <td colspan="12"> VOCs + TICs (8260C) Total Metals (6010C)(Al, As, Ca, Cr, Fe, K, Mg, Mn, Na) Dissolved Metals (6010C)(Al, As, Cr, Fe, Mn) Field Filtered Total Metals (6010C)(Al, As, Ca, Fe, K, Mg, Mn, Na) Dissolved Metals (6010C)(Al, As, Fe, Mn) Field Filtered Anions (300.0) (Cl⁻, SO₄²⁻) Nitrate (353.2) Alkalinity (310.2) Total Phosphorous (365.4) TOC (SM5310) Ammonia (350.1) TRN (351.2) Orthophosphate(SM4500PE) Field Filtered TDS (SM2540) Total Sulfide (SM 4500) Silica (200.7) SVOCs + TICs (8270C) PAHs (8270D SIM) </td> </tr> </table>						H	N	N	N	N	-	-	S	-	Z,B	N	-	-	VOCs + TICs (8260C) Total Metals (6010C)(Al, As, Ca, Cr, Fe, K, Mg, Mn, Na) Dissolved Metals (6010C)(Al, As, Cr, Fe, Mn) Field Filtered Total Metals (6010C)(Al, As, Ca, Fe, K, Mg, Mn, Na) Dissolved Metals (6010C)(Al, As, Fe, Mn) Field Filtered Anions (300.0) (Cl ⁻ , SO ₄ ²⁻) Nitrate (353.2) Alkalinity (310.2) Total Phosphorous (365.4) TOC (SM5310) Ammonia (350.1) TRN (351.2) Orthophosphate(SM4500PE) Field Filtered TDS (SM2540) Total Sulfide (SM 4500) Silica (200.7) SVOCs + TICs (8270C) PAHs (8270D SIM)											
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SAMPLE IDENTIFICATION		GRAB/COMPOSITE	DATE	TIME	MATRIX	# CONTAINERS	Additional Requirements																													
MW17-053118		G	5/31/18	1200	GW	7	X																													
MW17-053118-MS		G	5/31/18	1200	GW	7	X																													
MW17-053118-MSD		G	5/31/18	1200	GW	7	X																													
TW01-053118		G	5/31/18	1410	GW	7	X																													
MW18-053118		G	5/31/18	1500	GW	7	X																													
Dup-GW-053118		G	5/31/18	0800	GW	7	X																													
MW26-060118		G	6/1/18	1000	GW	7	X																													
MW07-060118		G	6/1/18	1130	GW	9	X																													
TB-060118-2		G	6/1/18	1500	W	2	X																													
TB-060118-2		G	6/1/18	1505	W	2	X																													
1. RELINQUISHED BY (Signature)		DATE	TIME	1. RECEIVED BY (Signature)		DATE	TIME	ADDITIONAL REMARKS/INSTRUCTIONS:																												
<i>David Newman</i>		6/1/18	1535	<i>APL</i>		6/1/18	1535																													
2. RELINQUISHED BY (Signature)		DATE	TIME	2. RECEIVED BY (Signature)		DATE	TIME																													
<i>APL</i>		6-7-18	1532	<i>APL</i>		6/7/18	0047																													
3. RELINQUISHED BY (Signature)		DATE	TIME	3. RECEIVED BY (Signature)		DATE	TIME																													