ANALYTICAL REPORT

Lab Number:	L1820793
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:	06/12/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

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

Lab Number: L1820793
Report Date: 06/12/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1820793-01	MW20-060418	WATER	WATERLOO, NY	06/04/18 15:20	06/05/18
L1820793-02	DUP-GW-060418	WATER	WATERLOO, NY	06/04/18 08:00	06/05/18
L1820793-03	MW36-060518	WATER	WATERLOO, NY	06/05/18 10:10	06/05/18
L1820793-04	MW35-060518	WATER	WATERLOO, NY	06/05/18 12:15	06/05/18
L1820793-05	MW37-060518	WATER	WATERLOO, NY	06/05/18 15:20	06/05/18
L1820793-06	DUP-GW-060518	WATER	WATERLOO, NY	06/05/18 08:05	06/05/18
L1820793-07	MW06-060418	WATER	WATERLOO, NY	06/04/18 16:50	06/05/18
L1820793-08	TB-060518	WATER	WATERLOO, NY	06/05/18 08:10	06/05/18
L1820793-09	SV05-060518	WATER	WATERLOO, NY	06/05/18 15:30	06/05/18
L1820793-10	MW33-060518	WATER	WATERLOO, NY	06/05/18 15:00	06/05/18
L1820793-11	MW03-060518	WATER	WATERLOO, NY	06/05/18 11:00	06/05/18
L1820793-12	TB-060518-2	WATER	WATERLOO, NY	06/05/18 08:00	06/05/18

Project Name:	FORMER HAMPSHIRE CHEMICAL CORP	**Lab Number:**	L1820793
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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	**Lab Number:**	L1820793
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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

L1820793-01, -02, -07 through -12 and the associated method blank were evaluated for the presence of the following project specific TIC and were determined to be non-detect: dimethyl disulfide.

L1820793-11: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

L1820793-11: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The initial calibration, associated with L1820793-01, -02, -07, -08, -11, and -12, 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 L1820793-01, -02, -07, -08, -11, and -12, did not meet the method required minimum response factor for 1,1,2,2-tetrachloroethane, bromomethane, chloroethane, trichloroethene, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,4-dioxane.

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

The initial calibration, associated with L1820793-09 and -10, 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 L1820793-09 and -10, did not meet the method required minimum response factor for bromomethane, chloroethane, trichloroethene, dibromomethane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, bromochloromethane, and 1,4-dioxane.

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Case Narrative (continued)

The WG1123598-2 continuing calibration verification standard has the percent deviation for bromomethane (49%D) above the 20% CCV criteria, but within overall method allowances.

Total Metals

The WG1123519-3/-4 MS/MSD recoveries for calcium (0%/0%), magnesium (156%/161%), and sodium (MS 150%), performed on L1820793-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1123522-3/-4 MS/MSD recoveries for silica (154%/150%), performed on L1820793-05, do not apply because the sample concentration is greater than four times the spike amount added.

Phosphorus, Orthophosphate

L1820793-10 and -11: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Nitrogen, Ammonia

The WG1123045-4 MS recovery (44%), performed on L1820793-03, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

Sulfide

The WG1124169-4 MS recovery (61%), performed on L1820793-04, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

The WG1124474-3 MS recoveries, performed on L1820793-10, are outside the acceptance criteria for chloride (134%) and sulfate (111%); however, the associated LCS recovery is within criteria. No further action was taken.

Nitrogen, Nitrate

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Case Narrative (continued)

The WG1123192-3 Laboratory Duplicate RPD (7%), performed on L1820793-05, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Nitrogen, Total Kjeldahl

The WG1123719-3 Laboratory Duplicate RPD (33%), performed on L1820793-03, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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: 06/12/18

ORGANICS

VOLATILES

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01
Client ID: MW20-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 15:20
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 15:04
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
1,1,2,2-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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01 Date Collected: 06/04/18 15:20

Client ID: MW20-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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 **Lab Number:** L1820793

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SAMPLE RESULTS

Lab ID: L1820793-01 Date Collected: 06/04/18 15:20

Client ID: MW20-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	5.91	J	ug/l			1
Unknown	5.91	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

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SAMPLE RESULTS

Lab ID: L1820793-02
Client ID: DUP-GW-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 08:00
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 15:29
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
1,1,2,2-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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02 Date Collected: 06/04/18 08:00

Client ID: DUP-GW-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02 Date Collected: 06/04/18 08:00

Client ID: DUP-GW-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	4.45	J	ug/l			1
Unknown	4.45	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07
Client ID: MW06-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 16:50
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 15:55
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
1,1,2,2-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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07 Date Collected: 06/04/18 16:50

Client ID: MW06-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07 Date Collected: 06/04/18 16:50

Client ID: MW06-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	3.75	J	ug/l			1
Unknown	3.75	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-08
Client ID: TB-060518
Sample Location: WATERLOO, NY

Date Collected: 06/05/18 08:10
Date Received: 06/05/18
Field Prep: None

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 16:20
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
1,1,2,2-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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-08 Date Collected: 06/05/18 08:10

Client ID: TB-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-08 Date Collected: 06/05/18 08:10

Client ID: TB-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

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	2.75	J	ug/l			1
Unknown	2.75	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-09
Client ID: SV05-060518
Sample Location: WATERLOO, NY

Date Collected: 06/05/18 15:30
Date Received: 06/05/18
Field Prep: None

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/18 01:36
Analyst: BD

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	1.3		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
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.32	J	ug/l	0.50	0.16	1
Toluene	4.8		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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-09 Date Collected: 06/05/18 15:30

Client ID: SV05-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.18	J	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	1.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.3	J	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	5.5		ug/l	5.0	1.5	1
Carbon disulfide	5.2		ug/l	5.0	1.0	1
2-Butanone	4.4	J	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	3.2	J	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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-09 Date Collected: 06/05/18 15:30

Client ID: SV05-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

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	154	J	ug/l			1
Unknown	5.00	J	ug/l			1
2-Propanethiol	8.12	NJ	ug/l			1
Unknown	7.45	J	ug/l			1
4-Heptanone, 2-methyl-	11.1	NJ	ug/l			1
Unknown	4.41	J	ug/l			1
Unknown	6.94	J	ug/l			1
2-Pentanone, 3-methyl-	18.1	NJ	ug/l			1
2-Heptanone, 4,6-dimethyl-	6.21	NJ	ug/l			1
2-Pentanethiol, 4-methyl-	64.1	NJ	ug/l			1
3-Pentanone, 2-methyl-	22.9	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-10
Client ID: MW33-060518
Sample Location: WATERLOO, NY

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

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/18 02:01
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.3	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.98	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	1.0		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	2.0	J	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
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.7		ug/l	0.50	0.16	1
Toluene	9.3		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	0.17	J	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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-10 Date Collected: 06/05/18 15:00

Client ID: MW33-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	2.2	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.2	J	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	14		ug/l	5.0	1.5	1
Carbon disulfide	5.2		ug/l	5.0	1.0	1
2-Butanone	2.5	J	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	1.8	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-10 Date Collected: 06/05/18 15:00

Client ID: MW33-060518 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	109	J	ug/l			1
Unknown	4.66	J	ug/l			1
Benzenethiol	4.32	NJ	ug/l			1
Unknown	6.72	J	ug/l			1
2-Pentanethiol, 4-methyl-	35.0	NJ	ug/l			1
Unknown	18.2	J	ug/l			1
Unknown	16.5	J	ug/l			1
Unknown	5.40	J	ug/l			1
Unknown	6.51	J	ug/l			1
Methanethiol	3.93	NJ	ug/l			1
4-Methyl-2-pentanone	8.12	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-11 D
Client ID: MW03-060518
Sample Location: WATERLOO, NY

Date Collected: 06/05/18 11:00
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 18:00
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
1,3-Dichloropropene, Total	ND		ug/l	12	3.6	25
1,1-Dichloropropene	ND		ug/l	62	18.	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	48	J	ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-11 D
Client ID: MW03-060518
Sample Location: WATERLOO, NY

Date Collected: 06/05/18 11:00
Date Received: 06/05/18
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	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	18	J	ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
Xylenes, Total	18	J	ug/l	62	18.	25
cis-1,2-Dichloroethene	ND		ug/l	62	18.	25
1,2-Dichloroethene, Total	ND		ug/l	62	18.	25
Dibromomethane	ND		ug/l	120	25.	25
1,2,3-Trichloropropane	ND		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	48	J	ug/l	120	48.	25
Vinyl acetate	ND		ug/l	120	25.	25
4-Methyl-2-pentanone	1200		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
2,2-Dichloropropane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,3-Dichloropropane	ND		ug/l	62	18.	25
1,1,1,2-Tetrachloroethane	ND		ug/l	62	18.	25
Bromobenzene	ND		ug/l	62	18.	25
n-Butylbenzene	ND		ug/l	62	18.	25
sec-Butylbenzene	ND		ug/l	62	18.	25
tert-Butylbenzene	ND		ug/l	62	18.	25
o-Chlorotoluene	ND		ug/l	62	18.	25
p-Chlorotoluene	ND		ug/l	62	18.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Hexachlorobutadiene	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
p-Isopropyltoluene	ND		ug/l	62	18.	25
Naphthalene	ND		ug/l	62	18.	25
n-Propylbenzene	ND		ug/l	62	18.	25

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-11 D Date Collected: 06/05/18 11:00
Client ID: MW03-060518 Date Received: 06/05/18
Sample Location: WATERLOO, NY 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	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
1,3,5-Trimethylbenzene	ND		ug/l	62	18.	25
1,2,4-Trimethylbenzene	ND		ug/l	62	18.	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Tentatively Identified Compounds						
Total TIC Compounds	3730	J	ug/l			25
Unknown	136	J	ug/l			25
Unknown	132	J	ug/l			25
Unknown	86.5	J	ug/l			25
Unknown	372	J	ug/l			25
2-Propanethiol	814	NJ	ug/l			25
Unknown	906	J	ug/l			25
Unknown	69.2	J	ug/l			25
Unknown	916	J	ug/l			25
Unknown	126	J	ug/l			25
Unknown	176	J	ug/l			25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-12
Client ID: TB-060518-2
Sample Location: WATERLOO, NY

Date Collected: 06/05/18 08:00
Date Received: 06/05/18
Field Prep: None

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/18 16:45
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
1,1,2,2-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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-12 Date Collected: 06/05/18 08:00

Client ID: TB-060518-2 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-12 Date Collected: 06/05/18 08:00

Client ID: TB-060518-2 Date Received: 06/05/18

Sample Location: WATERLOO, NY Field Prep: None

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	2.00	J	ug/l			1
Unknown	2.00	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

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): 01-02,07-08,11-12 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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

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): 01-02,07-08,11-12 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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

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): 01-02,07-08,11-12 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

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 21:50
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1123959-5					
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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 21:50
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1123959-5					
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: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/18 21:50
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1123959-5					
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	ND		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					
Total TIC Compounds	1.80	J	ug/l		
Unknown	1.80	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 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

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 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

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 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

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 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

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1123959-3 WG1123959-4								
Methylene chloride	93		96		70-130	3		20
1,1-Dichloroethane	93		98		70-130	5		20
Chloroform	94		98		70-130	4		20
Carbon tetrachloride	93		100		63-132	7		20
1,2-Dichloropropane	96		100		70-130	4		20
Dibromochloromethane	82		84		63-130	2		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	91		96		70-130	5		20
Chlorobenzene	92		96		75-130	4		20
Trichlorofluoromethane	88		95		62-150	8		20
1,2-Dichloroethane	91		94		70-130	3		20
1,1,1-Trichloroethane	92		99		67-130	7		20
Bromodichloromethane	94		99		67-130	5		20
trans-1,3-Dichloropropene	84		86		70-130	2		20
cis-1,3-Dichloropropene	96		100		70-130	4		20
1,1-Dichloropropene	93		99		70-130	6		20
Bromoform	78		78		54-136	0		20
1,1,2,2-Tetrachloroethane	93		96		67-130	3		20
Benzene	94		100		70-130	6		20
Toluene	92		96		70-130	4		20
Ethylbenzene	92		96		70-130	4		20
Chloromethane	92		93		64-130	1		20
Bromomethane	64		70		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1123959-3 WG1123959-4								
Vinyl chloride	91		97		55-140	6		20
Chloroethane	94		98		55-138	4		20
1,1-Dichloroethene	92		99		61-145	7		20
trans-1,2-Dichloroethene	93		100		70-130	7		20
Trichloroethene	88		96		70-130	9		20
1,2-Dichlorobenzene	94		98		70-130	4		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	94		98		70-130	4		20
Methyl tert butyl ether	96		98		63-130	2		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		99		70-130	5		20
Dibromomethane	94		96		70-130	2		20
1,2,3-Trichloropropane	87		95		64-130	9		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	86		92		36-147	7		20
Acetone	96		93		58-148	3		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	98		98		63-138	0		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	87		89		59-130	2		20
2-Hexanone	88		89		57-130	1		20
Bromochloromethane	95		100		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1123959-3 WG1123959-4								
2,2-Dichloropropane	95		100		63-133	5		20
1,2-Dibromoethane	94		97		70-130	3		20
1,3-Dichloropropane	93		95		70-130	2		20
1,1,1,2-Tetrachloroethane	93		97		64-130	4		20
Bromobenzene	93		97		70-130	4		20
n-Butylbenzene	99		100		53-136	1		20
sec-Butylbenzene	97		100		70-130	3		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	94		94		70-130	0		20
p-Chlorotoluene	95		100		70-130	5		20
1,2-Dibromo-3-chloropropane	83		81		41-144	2		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	95		100		70-130	5		20
p-Isopropyltoluene	99		100		70-130	1		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	94		99		69-130	5		20
1,2,3-Trichlorobenzene	110		110		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	96		100		64-130	4		20
1,2,4-Trimethylbenzene	97		100		70-130	3		20
1,4-Dioxane	118		116		56-162	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1123959-3 WG1123959-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	98		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MS Sample												
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

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MS Sample												
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
Project Number: 701970.01.SA

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MS Sample												
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

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07-08,11-12 QC Batch ID: WG1123598-6 WG1123598-7 QC Sample: L1820286-01 Client ID: MS Sample

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
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
Lab Number: L1820793
Project Number: 701970.01.SA
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01
Client ID: MW20-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 15:20
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/12/18 15:02
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01 Date Collected: 06/04/18 15:20

Client ID: MW20-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	28.7	J	ug/l			1
Unknown Alkane	11.5	J	ug/l			1
Unknown Alkane	4.80	J	ug/l			1
Unknown	12.4	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	82		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Lab Number: L1820793
Project Number: 701970.01.SA
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01
Client ID: MW20-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 15:20
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 15:29
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 11:33

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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01 Date Collected: 06/04/18 15:20

Client ID: MW20-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	59		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	69		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02
Client ID: DUP-GW-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 08:00
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/12/18 15:30
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

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	3.0		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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02 Date Collected: 06/04/18 08:00

Client ID: DUP-GW-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	26.9	J	ug/l			1
Aldol Condensates	14.6	J	ug/l			1
Unknown	2.29	J	ug/l			1
Unknown Alkane	8.22	J	ug/l			1
Unknown	1.74	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	79		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Lab Number: L1820793
Project Number: 701970.01.SA
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02
Client ID: DUP-GW-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 08:00
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 15:55
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 11:33

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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02 Date Collected: 06/04/18 08:00

Client ID: DUP-GW-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	62		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	71		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07
Client ID: MW06-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 16:50
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/12/18 15:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

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	2.9	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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07 Date Collected: 06/04/18 16:50

Client ID: MW06-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	95.9	J	ug/l			1
Unknown	68.5	J	ug/l			1
Aldol Condensates	9.74	J	ug/l			1
Unknown Alkane	12.7	J	ug/l			1
Unknown Alkane	4.91	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	75		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Lab Number: L1820793
Project Number: 701970.01.SA
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07
Client ID: MW06-060418
Sample Location: WATERLOO, NY

Date Collected: 06/04/18 16:50
Date Received: 06/05/18
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 16:22
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 11:33

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	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	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	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.08	J	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	0.03	J	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 **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07 Date Collected: 06/04/18 16:50

Client ID: MW06-060418 Date Received: 06/05/18

Sample Location: WATERLOO, NY 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	57		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	68		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/18 12:42
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,07 Batch: WG1124379-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
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
Fluoranthene	ND		ug/l	2.0	0.26
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
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
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	ND		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

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/18 12:42
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,07 Batch: WG1124379-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
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
2-Methylnaphthalene	ND		ug/l	2.0	0.45
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

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/18 12:42
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,07 Batch: WG1124379-1					
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
Pentachlorophenol	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	21.1	J	ug/l
Unknown Alkane	3.42	J	ug/l
Unknown Alkane	11.2	J	ug/l
Aldol Condensates	6.47	J	ug/l

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/18 12:42
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,07 Batch: WG1124379-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	77		41-149

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 13:19
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 11:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,07 Batch: WG1124380-1					
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: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 13:19
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/10/18 11:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,07 Batch: WG1124380-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	61		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124379-2 WG1124379-3								
Acenaphthene	78		81		37-111	4		30
1,2,4-Trichlorobenzene	59		68		39-98	14		30
Hexachlorobenzene	78		82		40-140	5		30
Bis(2-chloroethyl)ether	59		69		40-140	16		30
2-Chloronaphthalene	66		73		40-140	10		30
1,2-Dichlorobenzene	60		66		40-140	10		30
1,3-Dichlorobenzene	57		66		40-140	15		30
1,4-Dichlorobenzene	58		68		36-97	16		30
3,3'-Dichlorobenzidine	48		56		40-140	15		30
2,4-Dinitrotoluene	83		91		48-143	9		30
2,6-Dinitrotoluene	77		85		40-140	10		30
Fluoranthene	72		81		40-140	12		30
4-Chlorophenyl phenyl ether	77		82		40-140	6		30
4-Bromophenyl phenyl ether	77		82		40-140	6		30
Bis(2-chloroisopropyl)ether	55		60		40-140	9		30
Bis(2-chloroethoxy)methane	63		72		40-140	13		30
Hexachlorobutadiene	63		70		40-140	11		30
Hexachlorocyclopentadiene	56		63		40-140	12		30
Hexachloroethane	66		67		40-140	2		30
Isophorone	72		81		40-140	12		30
Naphthalene	65		72		40-140	10		30
Nitrobenzene	68		77		40-140	12		30
NDPA/DPA	78		82		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124379-2 WG1124379-3								
n-Nitrosodi-n-propylamine	68		77		29-132	12		30
Bis(2-ethylhexyl)phthalate	70		78		40-140	11		30
Butyl benzyl phthalate	74		82		40-140	10		30
Di-n-butylphthalate	78		85		40-140	9		30
Di-n-octylphthalate	70		78		40-140	11		30
Diethyl phthalate	88		91		40-140	3		30
Dimethyl phthalate	74		83		40-140	11		30
Benzo(a)anthracene	71		79		40-140	11		30
Benzo(a)pyrene	70		80		40-140	13		30
Benzo(b)fluoranthene	74		78		40-140	5		30
Benzo(k)fluoranthene	66		77		40-140	15		30
Chrysene	69		76		40-140	10		30
Acenaphthylene	72		82		45-123	13		30
Anthracene	72		78		40-140	8		30
Benzo(ghi)perylene	64		72		40-140	12		30
Fluorene	81		83		40-140	2		30
Phenanthrene	70		78		40-140	11		30
Dibenzo(a,h)anthracene	63		72		40-140	13		30
Indeno(1,2,3-cd)pyrene	64		70		40-140	9		30
Pyrene	68		79		26-127	15		30
Biphenyl	69		76		40-140	10		30
4-Chloroaniline	53		61		40-140	14		30
2-Nitroaniline	65		76		52-143	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124379-2 WG1124379-3								
3-Nitroaniline	63		77		25-145	20		30
4-Nitroaniline	77		84		51-143	9		30
Dibenzofuran	78		82		40-140	5		30
2-Methylnaphthalene	66		76		40-140	14		30
1,2,4,5-Tetrachlorobenzene	67		75		2-134	11		30
Acetophenone	68		76		39-129	11		30
2,4,6-Trichlorophenol	58		66		30-130	13		30
p-Chloro-m-cresol	72		82		23-97	13		30
2-Chlorophenol	63		71		27-123	12		30
2,4-Dichlorophenol	68		76		30-130	11		30
2,4-Dimethylphenol	57		65		30-130	13		30
2-Nitrophenol	56		67		30-130	18		30
4-Nitrophenol	53		61		10-80	14		30
2,4-Dinitrophenol	39		45		20-130	14		30
4,6-Dinitro-o-cresol	49		54		20-164	10		30
Pentachlorophenol	54		61		9-103	12		30
Phenol	46		52		12-110	12		30
2-Methylphenol	62		70		30-130	12		30
3-Methylphenol/4-Methylphenol	62		70		30-130	12		30
2,4,5-Trichlorophenol	69		77		30-130	11		30
Benzoic Acid	39		44		10-164	12		30
Benzyl Alcohol	61		69		26-116	12		30
Carbazole	76		84		55-144	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124379-2 WG1124379-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		57		21-120
Phenol-d6	44		50		10-120
Nitrobenzene-d5	61		69		23-120
2-Fluorobiphenyl	59		66		15-120
2,4,6-Tribromophenol	65		77		10-120
4-Terphenyl-d14	61		69		41-149

Lab Control Sample Analysis
Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124380-2 WG1124380-3								
Acenaphthene	86		87		40-140	1		40
2-Chloronaphthalene	78		78		40-140	0		40
Fluoranthene	83		85		40-140	2		40
Hexachlorobutadiene	73		74		40-140	1		40
Naphthalene	76		76		40-140	0		40
Benzo(a)anthracene	89		91		40-140	2		40
Benzo(a)pyrene	81		82		40-140	1		40
Benzo(b)fluoranthene	82		82		40-140	0		40
Benzo(k)fluoranthene	82		80		40-140	2		40
Chrysene	80		80		40-140	0		40
Acenaphthylene	87		87		40-140	0		40
Anthracene	82		83		40-140	1		40
Benzo(ghi)perylene	78		78		40-140	0		40
Fluorene	90		90		40-140	0		40
Phenanthrene	82		83		40-140	1		40
Dibenzo(a,h)anthracene	80		79		40-140	1		40
Indeno(1,2,3-cd)pyrene	78		79		40-140	1		40
Pyrene	80		81		40-140	1		40
2-Methylnaphthalene	77		77		40-140	0		40
Pentachlorophenol	76		80		40-140	5		40
Hexachlorobenzene	80		82		40-140	2		40
Hexachloroethane	70		71		40-140	1		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,07 Batch: WG1124380-2 WG1124380-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		59		21-120
Phenol-d6	55		53		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	69		68		15-120
2,4,6-Tribromophenol	83		82		10-120
4-Terphenyl-d14	68		68		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 QC Batch ID: WG1124379-4 WG1124379-5 QC Sample: L1820793-01 Client ID: MW20-060418												
1,2,4-Trichlorobenzene	ND	18.2	12	66		12	66		39-98	0		30
Bis(2-chloroethyl)ether	ND	18.2	12	66		12	66		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	12	66		12	66		40-140	0		30
1,3-Dichlorobenzene	ND	18.2	12	66		11	61		40-140	9		30
1,4-Dichlorobenzene	ND	18.2	12	66		12	66		36-97	0		30
3,3'-Dichlorobenzidine	ND	18.2	9.8	54		9.8	54		40-140	0		30
2,4-Dinitrotoluene	ND	18.2	17	94		17	94		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	15	83		15	83		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	16	88		15	83		40-140	6		30
4-Bromophenyl phenyl ether	ND	18.2	15	83		15	83		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		11	61		40-140	0		30
Bis(2-chloroethoxy)methane	ND	18.2	13	72		12	66		40-140	8		30
Hexachlorocyclopentadiene	ND	18.2	12J	66		11.J	61		40-140	9		30
Isophorone	ND	18.2	14	77		14	77		40-140	0		30
Nitrobenzene	ND	18.2	14	77		13	72		40-140	7		30
NDPA/DPA	ND	18.2	13	72		14	77		40-140	7		30
n-Nitrosodi-n-propylamine	ND	18.2	14	77		14	77		29-132	0		30
Bis(2-ethylhexyl)phthalate	2.5J	18.2	14	77		14	77		40-140	0		30
Butyl benzyl phthalate	ND	18.2	14	77		14	77		40-140	0		30
Di-n-butylphthalate	ND	18.2	15	83		15	83		40-140	0		30
Di-n-octylphthalate	ND	18.2	14	77		14	77		40-140	0		30
Diethyl phthalate	ND	18.2	17	94		17	94		40-140	0		30
Dimethyl phthalate	ND	18.2	15	83		15	83		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 QC Batch ID: WG1124379-4 WG1124379-5 QC Sample: L1820793-01 Client ID: MW20-060418												
Biphenyl	ND	18.2	14	77		13	72		40-140	7		30
4-Chloroaniline	ND	18.2	9.9	54		8.9	49		40-140	11		30
2-Nitroaniline	ND	18.2	13	72		13	72		52-143	0		30
3-Nitroaniline	ND	18.2	14	77		13	72		25-145	7		30
4-Nitroaniline	ND	18.2	15	83		15	83		51-143	0		30
Dibenzofuran	ND	18.2	15	83		15	83		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	13	72		13	72		2-134	0		30
Acetophenone	ND	18.2	14	77		14	77		39-129	0		30
2,4,6-Trichlorophenol	ND	18.2	12	66		12	66		30-130	0		30
p-Chloro-m-cresol	ND	18.2	14	77		14	77		23-97	0		30
2-Chlorophenol	ND	18.2	12	66		12	66		27-123	0		30
2,4-Dichlorophenol	ND	18.2	14	77		13	72		30-130	7		30
2,4-Dimethylphenol	ND	18.2	7.4	41		6.9	38		30-130	7		30
2-Nitrophenol	ND	18.2	12	66		12	66		30-130	0		30
4-Nitrophenol	ND	18.2	12	66		11	61		10-80	9		30
2,4-Dinitrophenol	ND	18.2	8.7J	48		8.6J	47		20-130	1		30
4,6-Dinitro-o-cresol	ND	18.2	11	61		11	61		20-164	0		30
Phenol	ND	18.2	9.5	52		9.1	50		12-110	4		30
2-Methylphenol	ND	18.2	12	66		11	61		30-130	9		30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
2,4,5-Trichlorophenol	ND	18.2	12	66		13	72		30-130	8		30
Benzoic Acid	ND	18.2	9.4J	52		8.7J	48		10-164	8		30
Benzyl Alcohol	ND	18.2	12	66		11	61		26-116	9		30

Matrix Spike Analysis

Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,07 QC Batch ID: WG1124379-4 WG1124379-5 QC Sample: L1820793-01 Client ID: MW20-060418												
Carbazole	ND	18.2	14	77		14	77		55-144	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	78		75		10-120
2-Fluorobiphenyl	65		66		15-120
2-Fluorophenol	58		58		21-120
4-Terphenyl-d14	66		67		41-149
Nitrobenzene-d5	66		65		23-120
Phenol-d6	50		49		10-120

METALS

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-01 Date Collected: 06/04/18 15:20

Client ID: MW20-060418 Date Received: 06/05/18

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	0.0774		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00066		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Calcium, Total	119.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Iron, Total	0.370		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Magnesium, Total	22.6		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Manganese, Total	0.03211		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Potassium, Total	3.37		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Sodium, Total	15.3		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:25	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:38	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00031	J	mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:38	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0274	J	mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:38	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.00521		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:38	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-02 Date Collected: 06/04/18 08:00

Client ID: DUP-GW-060418 Date Received: 06/05/18

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	0.0570		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00043	J	mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Calcium, Total	127.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Iron, Total	0.0850		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Magnesium, Total	23.3		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Manganese, Total	0.00961		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Potassium, Total	1.83		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Sodium, Total	29.7		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:29	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00367	J	mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:42	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00022	J	mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:42	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:42	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.00230		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:42	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-03 Date Collected: 06/05/18 10:10

Client ID: MW36-060518 Date Received: 06/05/18

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	0.00748	J	mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Arsenic, Total	0.2250		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Calcium, Total	107.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Iron, Total	4.80		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Magnesium, Total	69.2		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Manganese, Total	0.03009		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Potassium, Total	3.80		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Silica, Total	27.0		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 23:07	EPA 3005A	19,200.7	AB
Sodium, Total	91.5		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:45	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:46	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.2158		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:46	EPA 3005A	1,6020A	AM
Iron, Dissolved	4.60		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:46	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.02662		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:46	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-04 Date Collected: 06/05/18 12:15

Client ID: MW35-060518 Date Received: 06/05/18

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	0.0548		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00837		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Calcium, Total	169.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Iron, Total	1.37		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Magnesium, Total	72.0		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Manganese, Total	0.1829		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Potassium, Total	4.08		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Silica, Total	19.4		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 23:12	EPA 3005A	19,200.7	AB
Sodium, Total	164.		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:49	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:50	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00832		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:50	EPA 3005A	1,6020A	AM
Iron, Dissolved	1.18		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:50	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.1859		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:50	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-05 Date Collected: 06/05/18 15:20

Client ID: MW37-060518 Date Received: 06/05/18

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	0.0291		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00128		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Calcium, Total	205.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Iron, Total	0.0833		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Magnesium, Total	76.7		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Manganese, Total	0.2960		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Potassium, Total	3.86		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Silica, Total	20.6		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 22:21	EPA 3005A	19,200.7	AB
Sodium, Total	465.		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:05	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00419	J	mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 12:50	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00074		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 12:50	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0502		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 12:50	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.2688		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 12:50	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-06 Date Collected: 06/05/18 08:05

Client ID: DUP-GW-060518 Date Received: 06/05/18

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	0.00947	J	mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Arsenic, Total	0.2299		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Calcium, Total	110.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Iron, Total	4.87		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Magnesium, Total	71.1		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Manganese, Total	0.02578		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Potassium, Total	3.87		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Silica, Total	27.3		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 23:16	EPA 3005A	19,200.7	AB
Sodium, Total	101.		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:53	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:54	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.2180		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:54	EPA 3005A	1,6020A	AM
Iron, Dissolved	4.58		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:54	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.02546		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:54	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-07 Date Collected: 06/04/18 16:50

Client ID: MW06-060418 Date Received: 06/05/18

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	0.0450		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00052		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Calcium, Total	126.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Iron, Total	0.0644		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Magnesium, Total	23.8		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Manganese, Total	0.00975		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Potassium, Total	1.84		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Sodium, Total	31.7		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 15:57	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 13:58	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00034	J	mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 13:58	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0372	J	mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 13:58	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.00222		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 13:58	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-10 Date Collected: 06/05/18 15:00

Client ID: MW33-060518 Date Received: 06/05/18

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	0.0384		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01868		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Calcium, Total	337.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Chromium, Total	0.2199		mg/l	0.00100	0.00017	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Iron, Total	0.0418	J	mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Magnesium, Total	73.0		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Manganese, Total	0.5284		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Potassium, Total	25.5		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 16:01	EPA 3005A	1,6020A	AM
Silica, Total	29.8		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 23:21	EPA 3005A	19,200.7	AB
Sodium, Total	653.		mg/l	5.00	1.46	50	06/07/18 12:20	06/11/18 11:10	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0389		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 14:02	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.02014		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 14:02	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.2374		mg/l	0.00100	0.00017	1	06/07/18 13:35	06/08/18 14:02	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0482	J	mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 14:02	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.5117		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 14:02	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-11 Date Collected: 06/05/18 11:00

Client ID: MW03-060518 Date Received: 06/05/18

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	6.48		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Arsenic, Total	0.2173		mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Calcium, Total	303.		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Chromium, Total	0.04858		mg/l	0.00100	0.00017	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Iron, Total	2.84		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Magnesium, Total	110.		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Manganese, Total	0.4354		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Potassium, Total	75.5		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Silica, Total	35.5		mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 23:26	EPA 3005A	19,200.7	AB
Sodium, Total	432.		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 16:05	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0361		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 14:06	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.2925		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 14:06	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.03843		mg/l	0.00100	0.00017	1	06/07/18 13:35	06/08/18 14:06	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0241	J	mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 14:06	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.4101		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 14:06	EPA 3005A	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,10-11 Batch: WG1123519-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Arsenic, Total	0.00042	J	mg/l	0.00050	0.00016	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	06/07/18 12:20	06/08/18 14:57	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	06/07/18 12:20	06/08/18 14:57	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): 03-06,10-11 Batch: WG1123522-1										
Silica, Total	0.028	J	mg/l	0.500	0.007	1	06/07/18 12:20	06/08/18 22:11	19,200.7	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-07,10-11 Batch: WG1123564-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/07/18 13:35	06/08/18 12:42	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	06/07/18 13:35	06/08/18 12:42	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/07/18 13:35	06/08/18 12:42	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	06/07/18 13:35	06/08/18 12:42	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	06/07/18 13:35	06/08/18 12:42	1,6020A	AM

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,10-11 Batch: WG1123519-2								
Aluminum, Total	99		-		80-120	-		
Arsenic, Total	112		-		80-120	-		
Calcium, Total	87		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Iron, Total	108		-		80-120	-		
Magnesium, Total	94		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Potassium, Total	92		-		80-120	-		
Sodium, Total	95		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 03-06,10-11 Batch: WG1123522-2								
Silica, Total	102		-		85-115	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01-07,10-11 Batch: WG1123564-2								
Aluminum, Dissolved	104		-		80-120	-		
Arsenic, Dissolved	114		-		80-120	-		
Chromium, Dissolved	102		-		80-120	-		
Iron, Dissolved	111		-		80-120	-		
Manganese, Dissolved	98		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,10-11 QC Batch ID: WG1123519-3 WG1123519-4 QC Sample: L1820793-05 Client ID: MW37-060518												
Aluminum, Total	0.0291	2	2.00	98		2.06	102		75-125	3		20
Arsenic, Total	0.00128	0.12	0.1344	111		0.1321	109		75-125	2		20
Calcium, Total	205.	10	199	**0**	Q	200	**0**	Q	75-125	1		20
Chromium, Total	0.0004J	0.2	0.1886	94		0.1886	94		75-125	0		20
Iron, Total	0.0833	1	1.20	112		1.10	102		75-125	9		20
Magnesium, Total	76.7	10	92.3	**156**	Q	92.8	**161**	Q	75-125	1		20
Manganese, Total	0.2960	0.5	0.7297	87		0.7454	90		75-125	2		20
Potassium, Total	3.86	10	12.7	88		12.9	90		75-125	2		20
Sodium, Total	465.	10	480	**150**	Q	475	100		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123522-3 WG1123522-4 QC Sample: L1820793-05 Client ID: MW37-060518												
Silica, Total	20.6	2.14	23.9	**154**	Q	23.8	**150**	Q	75-125	0		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-07,10-11 QC Batch ID: WG1123564-3 WG1123564-4 QC Sample: L1820793-05 Client ID: MW37-060518												
Aluminum, Dissolved	0.00419J	2	2.04	102		2.00	100		75-125	2		20
Arsenic, Dissolved	0.00074	0.12	0.1395	116		0.1307	108		75-125	7		20
Chromium, Dissolved	0.0002J	0.2	0.2005	100		0.1992	100		75-125	1		20
Iron, Dissolved	0.0502	1	1.08	103		1.10	105		75-125	2		20
Manganese, Dissolved	0.2688	0.5	0.7747	101		0.7842	103		75-125	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-03
Client ID: MW36-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	356.		mg CaCO3/L	2.00	NA	1	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	1000		mg/l	10	3.1	1	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	0.245		mg/l	0.075	0.024	1	06/06/18 13:30	06/12/18 00:07	44,350.1	AT
Nitrogen, Nitrate	0.048	J	mg/l	0.10	0.033	1	-	06/06/18 22:20	44,353.2	MR
Nitrogen, Total Kjeldahl	0.430		mg/l	0.300	0.066	1	06/07/18 23:30	06/11/18 22:37	4,351.3/.1 (M)	AT
Phosphorus, Total	0.086		mg/l	0.010	0.003	1	06/06/18 12:15	06/07/18 09:56	121,4500P-E	SD
Phosphorus, Orthophosphate	0.002	J	mg/l	0.005	0.001	1	-	06/07/18 05:27	121,4500P-E	MA
Sulfide	ND		mg/l	0.10	0.10	1	06/08/18 22:00	06/09/18 03:46	121,4500S2-AD	CW
Total Organic Carbon	1.10		mg/l	0.500	0.114	1	-	06/09/18 12:20	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	288.		mg/l	5.00	0.839	10	-	06/09/18 19:40	44,300.0	JR
Sulfate	183.		mg/l	10.0	1.60	10	-	06/09/18 19:40	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-04
Client ID: MW35-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

Date Collected: 06/05/18 12:15
Date Received: 06/05/18
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	328.		mg CaCO3/L	2.00	NA	1	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	1400		mg/l	10	3.1	1	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	0.165		mg/l	0.075	0.024	1	06/06/18 13:30	06/12/18 00:10	44,350.1	AT
Nitrogen, Nitrate	0.047	J	mg/l	0.10	0.033	1	-	06/06/18 22:21	44,353.2	MR
Nitrogen, Total Kjeldahl	0.332		mg/l	0.300	0.066	1	06/07/18 23:30	06/11/18 22:40	4,351.3/.1 (M)	AT
Phosphorus, Total	0.008	J	mg/l	0.010	0.003	1	06/06/18 12:15	06/07/18 09:57	121,4500P-E	SD
Phosphorus, Orthophosphate	0.002	J	mg/l	0.005	0.001	1	-	06/07/18 05:28	121,4500P-E	MA
Sulfide	ND		mg/l	0.10	0.10	1	06/08/18 22:00	06/09/18 03:46	121,4500S2-AD	CW
Total Organic Carbon	0.690		mg/l	0.500	0.114	1	-	06/09/18 12:20	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	502.		mg/l	12.5	2.10	25	-	06/09/18 18:39	44,300.0	JR
Sulfate	192.		mg/l	25.0	4.00	25	-	06/09/18 18:39	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-05
Client ID: MW37-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

Date Collected: 06/05/18 15:20
Date Received: 06/05/18
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	293.		mg CaCO3/L	2.00	NA	1	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	2600		mg/l	10	3.1	1	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	0.073	J	mg/l	0.075	0.024	1	06/06/18 13:30	06/12/18 00:10	44,350.1	AT
Nitrogen, Nitrate	0.14		mg/l	0.10	0.033	1	-	06/06/18 23:49	44,353.2	MR
Nitrogen, Total Kjeldahl	0.393		mg/l	0.300	0.066	1	06/07/18 23:30	06/11/18 22:41	4,351.3/.1 (M)	AT
Phosphorus, Total	0.003	J	mg/l	0.010	0.003	1	06/06/18 12:15	06/07/18 09:57	121,4500P-E	SD
Phosphorus, Orthophosphate	0.003	J	mg/l	0.005	0.001	1	-	06/07/18 05:29	121,4500P-E	MA
Sulfide	ND		mg/l	0.11	0.11	1.1	06/08/18 22:00	06/09/18 03:48	121,4500S2-AD	CW
Total Organic Carbon	0.560		mg/l	0.500	0.114	1	-	06/09/18 12:20	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	922.		mg/l	12.5	2.10	25	-	06/09/18 18:51	44,300.0	JR
Sulfate	556.		mg/l	25.0	4.00	25	-	06/09/18 18:51	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-06
Client ID: DUP-GW-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	361.		mg CaCO3/L	2.00	NA	1	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	1000		mg/l	10	3.1	1	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	0.194		mg/l	0.075	0.024	1	06/06/18 13:30	06/12/18 00:14	44,350.1	AT
Nitrogen, Nitrate	0.052	J	mg/l	0.10	0.033	1	-	06/06/18 22:30	44,353.2	MR
Nitrogen, Total Kjeldahl	0.502		mg/l	0.300	0.066	1	06/07/18 23:30	06/11/18 22:42	4,351.3/.1 (M)	AT
Phosphorus, Total	0.073		mg/l	0.010	0.003	1	06/06/18 12:15	06/07/18 09:58	121,4500P-E	SD
Phosphorus, Orthophosphate	0.002	J	mg/l	0.005	0.001	1	-	06/07/18 05:30	121,4500P-E	MA
Sulfide	ND		mg/l	0.10	0.10	1	06/08/18 22:00	06/09/18 03:48	121,4500S2-AD	CW
Total Organic Carbon	1.07		mg/l	0.500	0.114	1	-	06/09/18 12:20	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	282.		mg/l	5.00	0.839	10	-	06/09/18 19:52	44,300.0	JR
Sulfate	185.		mg/l	10.0	1.60	10	-	06/09/18 19:52	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-09
Client ID: SV05-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water
Date Collected: 06/05/18 15:30
Date Received: 06/05/18
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Sulfide	33.		mg/l	10	10.	100	06/08/18 22:00	06/09/18 03:48	121,4500S2-AD	CW
Anions by Ion Chromatography - Westborough Lab										
Chloride	762.		mg/l	12.5	2.10	25	-	06/09/18 20:04	44,300.0	JR
Sulfate	2.60		mg/l	1.00	0.160	1	-	06/09/18 18:03	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-10
Client ID: MW33-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	1210		mg CaCO3/L	10.0	NA	5	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	3000		mg/l	20	6.1	2	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	31.8		mg/l	0.750	0.240	10	06/06/18 13:30	06/12/18 00:15	44,350.1	AT
Nitrogen, Nitrate	0.059	J	mg/l	0.10	0.033	1	-	06/06/18 23:51	44,353.2	MR
Nitrogen, Total Kjeldahl	32.7		mg/l	3.00	0.660	10	06/07/18 23:30	06/11/18 22:55	4,351.3/.1 (M)	AT
Phosphorus, Total	0.445		mg/l	0.020	0.006	2	06/06/18 12:15	06/07/18 09:59	121,4500P-E	SD
Phosphorus, Orthophosphate	0.431	J	mg/l	0.500	0.100	100	-	06/07/18 05:48	121,4500P-E	MA
Sulfide	66.		mg/l	10	10.	100	06/08/18 22:00	06/09/18 03:48	121,4500S2-AD	CW
Total Organic Carbon	32.3		mg/l	10.0	2.28	20	-	06/10/18 12:14	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	816.		mg/l	12.5	2.10	25	-	06/09/18 20:40	44,300.0	JR
Sulfate	235.		mg/l	25.0	4.00	25	-	06/09/18 20:40	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CORP
Project Number: 701970.01.SA
Lab Number: L1820793
Report Date: 06/12/18

SAMPLE RESULTS

Lab ID: L1820793-11
Client ID: MW03-060518
Sample Location: WATERLOO, NY
Sample Depth:
Matrix: Water

Date Collected: 06/05/18 11:00
Date Received: 06/05/18
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	2100		mg CaCO3/L	10.0	NA	5	-	06/07/18 09:36	121,2320B	BR
Solids, Total Dissolved	3200		mg/l	20	6.1	2	-	06/08/18 15:00	121,2540C	DW
Nitrogen, Ammonia	113.		mg/l	1.88	0.600	25	06/06/18 13:30	06/12/18 00:16	44,350.1	AT
Nitrogen, Nitrate	0.054	J	mg/l	0.10	0.033	1	-	06/06/18 23:56	44,353.2	MR
Nitrogen, Total Kjeldahl	111.		mg/l	7.50	1.65	25	06/07/18 23:30	06/11/18 22:56	4,351.3/.1 (M)	AT
Phosphorus, Total	0.340		mg/l	0.020	0.006	2	06/06/18 12:15	06/07/18 10:00	121,4500P-E	SD
Phosphorus, Orthophosphate	0.233	J	mg/l	0.500	0.100	100	-	06/07/18 05:48	121,4500P-E	MA
Sulfide	68.		mg/l	10	10.	100	06/08/18 22:00	06/09/18 03:49	121,4500S2-AD	CW
Total Organic Carbon	158.		mg/l	20.0	4.56	40	-	06/09/18 12:20	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	681.		mg/l	12.5	2.10	25	-	06/09/18 20:52	44,300.0	JR
Sulfate	42.0		mg/l	1.00	0.160	1	-	06/09/18 19:28	44,300.0	JR

Project Name: FORMER HAMPSHIRE CHEMICAL CO **Lab Number:** L1820793

Project Number: 701970.01.SA **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1122948-1										
Phosphorus, Total	ND		mg/l	0.010	0.003	1	06/06/18 12:15	06/07/18 09:29	121,4500P-E	SD
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123045-1										
Nitrogen, Ammonia	0.025	J	mg/l	0.075	0.024	1	06/06/18 13:30	06/12/18 00:02	44,350.1	AT
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123192-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	06/06/18 20:57	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123307-1										
Phosphorus, Orthophosphate	ND		mg/l	0.005	0.001	1	-	06/07/18 05:26	121,4500P-E	MA
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123435-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	06/07/18 09:36	121,2320B	BR
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123719-1										
Nitrogen, Total Kjeldahl	0.127	J	mg/l	0.300	0.022	1	06/07/18 23:30	06/11/18 22:21	4,351.3/.1 (M)	AT
General Chemistry - Westborough Lab for sample(s): 03-06,10-11 Batch: WG1123810-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	06/08/18 15:00	121,2540C	DW
General Chemistry - Westborough Lab for sample(s): 03-06,09-11 Batch: WG1124169-1										
Sulfide	ND		mg/l	0.10	0.10	1	06/08/18 22:00	06/09/18 03:45	121,4500S2-AD	CW
General Chemistry - Westborough Lab for sample(s): 03-06,11 Batch: WG1124275-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	06/09/18 12:20	121,5310C	AG
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1124427-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	06/10/18 12:14	121,5310C	AG
Anions by Ion Chromatography - Westborough Lab for sample(s): 03-06,09-11 Batch: WG1124474-1										
Chloride	ND		mg/l	0.500	0.083	1	-	06/09/18 14:51	44,300.0	JR
Sulfate	0.201	J	mg/l	1.00	0.160	1	-	06/09/18 14:51	44,300.0	JR

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1122948-2								
Phosphorus, Total	93		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123045-2								
Nitrogen, Ammonia	96		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123192-2								
Nitrogen, Nitrate	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123307-2								
Phosphorus, Orthophosphate	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123435-2								
Alkalinity, Total	101		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123719-2								
Nitrogen, Total Kjeldahl	86		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 Batch: WG1123810-2								
Solids, Total Dissolved	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06,09-11 Batch: WG1124169-2					
Sulfide	81	-	75-125	-	
General Chemistry - Westborough Lab Associated sample(s): 03-06,11 Batch: WG1124275-2					
Total Organic Carbon	102	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1124427-2					
Total Organic Carbon	101	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 03-06,09-11 Batch: WG1124474-2					
Chloride	102	-	90-110	-	
Sulfate	108	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1122948-3 QC Sample: L1820015-01 Client ID: MS Sample												
Phosphorus, Total	0.003J	0.5	0.492	98		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123045-4 QC Sample: L1820793-03 Client ID: MW36-060518												
Nitrogen, Ammonia	0.245	4	2.02	**44**	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123192-4 QC Sample: L1820793-05 Client ID: MW37-060518												
Nitrogen, Nitrate	0.14	4	4.1	99		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123307-4 QC Sample: L1820793-03 Client ID: MW36-060518												
Phosphorus, Orthophosphate	0.002J	0.5	0.481	96		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123435-4 QC Sample: L1820793-05 Client ID: MW37-060518												
Alkalinity, Total	293.	100	390	97		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123719-4 QC Sample: L1820793-03 Client ID: MW36-060518												
Nitrogen, Total Kjeldahl	0.430	8	7.73	91		-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 03-06,09-11 QC Batch ID: WG1124169-4 QC Sample: L1820793-04 Client ID: MW35-060518												
Sulfide	ND	0.54	0.33	**61**	Q	-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,11 QC Batch ID: WG1124275-4 QC Sample: L1820251-01 Client ID: MS Sample												
Total Organic Carbon	0.880	40	40.9	100		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1124427-4 QC Sample: L1821549-01 Client ID: MS Sample										
Total Organic Carbon	3.56	8	11.8	103		-	-	80-120	-	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 03-06,09-11 QC Batch ID: WG1124474-3 QC Sample: L1820793-10 Client ID: MW33-060518										
Chloride	816.	100	950	**134**	Q	-	-	90-110	-	18
Sulfate	235.	200	457	**111**	Q	-	-	90-110	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER HAMPSHIRE CHEMICAL CORP

Project Number: 701970.01.SA

Lab Number: L1820793

Report Date: 06/12/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1122948-4 QC Sample: L1820015-01 Client ID: DUP Sample						
Phosphorus, Total	0.003J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123045-3 QC Sample: L1820793-03 Client ID: MW36-060518						
Nitrogen, Ammonia	0.245	0.204	mg/l	18		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123192-3 QC Sample: L1820793-05 Client ID: MW37-060518						
Nitrogen, Nitrate	0.14	0.13	mg/l	**7**	Q	6
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123307-3 QC Sample: L1820793-04 Client ID: MW35-060518						
Phosphorus, Orthophosphate	0.002J	0.001J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123435-3 QC Sample: L1820793-04 Client ID: MW35-060518						
Alkalinity, Total	328.	330	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123719-3 QC Sample: L1820793-03 Client ID: MW36-060518						
Nitrogen, Total Kjeldahl	0.430	0.602	mg/l	**33**	Q	24
General Chemistry - Westborough Lab Associated sample(s): 03-06,10-11 QC Batch ID: WG1123810-3 QC Sample: L1820793-03 Client ID: MW36-060518						
Solids, Total Dissolved	1000	1000	mg/l	0		10

Lab Duplicate Analysis

Batch Quality Control

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

Lab Number: L1820793
Report Date: 06/12/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06,09-11 QC Batch ID: WG1124169-3 QC Sample: L1820793-03 Client ID: MW36-060518					
Sulfide	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 03-06,11 QC Batch ID: WG1124275-3 QC Sample: L1820977-01 Client ID: DUP Sample					
Total Organic Carbon	0.250J	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1124427-3 QC Sample: L1821549-01 Client ID: DUP Sample					
Total Organic Carbon	3.56	3.58	mg/l	1	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 03-06,09-11 QC Batch ID: WG1124474-4 QC Sample: L1820793-10 Client ID: MW33-060518					
Chloride	816.	816	mg/l	0	18
Sulfate	235.	237	mg/l	1	20

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

Lab Number: L1820793
Report Date: 06/12/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-01A	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-01B	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-01C	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-01D	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	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)
L1820793-01E	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-01F	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01F1	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01G	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01G1	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01H	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01H1	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01I	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-01I1	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-02A	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-02B	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-02C	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L1820793-02D	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	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)

*Values in parentheses indicate holding time in days

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

Lab Number: L1820793
Report Date: 06/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-02E	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-02F	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-02G	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-02H	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-02I	Amber 250ml unpreserved	C	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-03D	Plastic 250ml unpreserved/No Headspace	B	NA		4.1	Y	Absent		ALK-T-2320(14)
L1820793-03D1	Plastic 250ml unpreserved/No Headspace	B	NA		4.1	Y	Absent		ALK-T-2320(14)
L1820793-03E	Plastic 500ml unpreserved	B	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2)
L1820793-03F	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		OPHOS-4500(2)
L1820793-03G	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L1820793-03G1	Plastic 500ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L1820793-03H	Plastic 250ml Zn Acetate/NaOH preserved	B	>9	>9	4.1	Y	Absent		SULFIDE-4500(7)
L1820793-03I	Plastic 250ml Zn Acetate/NaOH preserved	B	>9	>9	4.1	Y	Absent		SULFIDE-4500(7)
L1820793-03J	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-03K	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-03L	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-03M	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-03N	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-03O	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-03P	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-04D	Plastic 250ml unpreserved/No Headspace	C	NA		3.0	Y	Absent		ALK-T-2320(14)
L1820793-04E	Plastic 500ml unpreserved	C	7	7	3.0	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2)
L1820793-04F	Plastic 250ml unpreserved	C	7	7	3.0	Y	Absent		OPHOS-4500(2)
L1820793-04G	Plastic 250ml unpreserved	C	7	7	3.0	Y	Absent		TDS-2540(7)
L1820793-04H	Plastic 250ml Zn Acetate/NaOH preserved	C	>9	>9	3.0	Y	Absent		SULFIDE-4500(7)
L1820793-04I	Plastic 250ml Zn Acetate/NaOH preserved	C	>9	>9	3.0	Y	Absent		SULFIDE-4500(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-04J	Plastic 500ml H2SO4 preserved	C	<2	<2	3.0	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-04K	Plastic 500ml H2SO4 preserved	C	<2	<2	3.0	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-04L	Vial H2SO4 preserved	C	NA		3.0	Y	Absent		TOC-5310(28)
L1820793-04M	Vial H2SO4 preserved	C	NA		3.0	Y	Absent		TOC-5310(28)
L1820793-04N	Vial H2SO4 preserved	C	NA		3.0	Y	Absent		TOC-5310(28)
L1820793-04O	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-04P	Plastic 250ml HNO3 preserved	C	<2	<2	3.0	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-05D	Plastic 250ml unpreserved/No Headspace	B	NA		4.1	Y	Absent		ALK-T-2320(14)
L1820793-05E	Plastic 500ml unpreserved	B	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2)
L1820793-05F	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		OPHOS-4500(2)
L1820793-05G	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L1820793-05H	Plastic 250ml Zn Acetate/NaOH preserved	B	>9	>9	4.1	Y	Absent		SULFIDE-4500(7)
L1820793-05I	Plastic 250ml Zn Acetate/NaOH preserved	B	>9	>9	4.1	Y	Absent		SULFIDE-4500(7)
L1820793-05J	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-05K	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-05L	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-05M	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-05N	Vial H2SO4 preserved	B	NA		4.1	Y	Absent		TOC-5310(28)
L1820793-05O	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-05O1	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-05O2	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-05P	Plastic 500ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-05P1	Plastic 500ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)

*Values in parentheses indicate holding time in days

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

Lab Number: L1820793
Report Date: 06/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-05P2	Plastic 500ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-06D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L1820793-06E	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		OPHOS-4500(2),SO4-300(28),CL-300(28),NO3-353(2),TDS-2540(7)
L1820793-06H	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-06I	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-06J	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-06K	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-06L	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-06M	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-06N	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-06O	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-06P	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		FE-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-07A	Vial HCl preserved	B	NA		4.1	Y	Absent		NYTCL-8260(14)
L1820793-07B	Vial HCl preserved	B	NA		4.1	Y	Absent		NYTCL-8260(14)
L1820793-07C	Vial HCl preserved	B	NA		4.1	Y	Absent		NYTCL-8260(14)
L1820793-07D	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	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)
L1820793-07E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		MN-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-07F	Amber 250ml unpreserved	B	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-07G	Amber 250ml unpreserved	B	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-07H	Amber 250ml unpreserved	B	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-07I	Amber 250ml unpreserved	B	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1820793-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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

Lab Number: L1820793
Report Date: 06/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-09A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-09B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-09C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-09D	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28)
L1820793-09E	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-09F	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-10A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-10B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-10C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-10D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L1820793-10E	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2)
L1820793-10F	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		OPHOS-4500(2)
L1820793-10G	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		TDS-2540(7)
L1820793-10H	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-10I	Plastic 250ml Zn Acetate/NaOH preserved	A	>9	>9	2.6	Y	Absent		SULFIDE-4500(7)
L1820793-10J	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-10K	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-10L	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-10M	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-10N	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1820793-10O	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		MN-6020S(180),CR-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-10P	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		FE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-11A	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L1820793-11B	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L1820793-11C	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L1820793-11D	Plastic 250ml unpreserved/No Headspace	D	NA		3.6	Y	Absent		ALK-T-2320(14)
L1820793-11E	Plastic 500ml unpreserved	D	7	7	3.6	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2)

*Values in parentheses indicate holding time in days

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

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820793-11F	Plastic 250ml unpreserved	D	7	7	3.6	Y	Absent		OPHOS-4500(2)
L1820793-11G	Plastic 250ml unpreserved	D	7	7	3.6	Y	Absent		TDS-2540(7)
L1820793-11H	Plastic 250ml Zn Acetate/NaOH preserved	D	>9	>9	3.6	Y	Absent		SULFIDE-4500(7)
L1820793-11I	Plastic 250ml Zn Acetate/NaOH preserved	D	>9	>9	3.6	Y	Absent		SULFIDE-4500(7)
L1820793-11J	Plastic 500ml H2SO4 preserved	D	<2	<2	3.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-11K	Plastic 500ml H2SO4 preserved	D	<2	<2	3.6	Y	Absent		TKN-351(28),TPHOS-4500(28),NH3-350(28)
L1820793-11L	Vial H2SO4 preserved	D	NA		3.6	Y	Absent		TOC-5310(28)
L1820793-11M	Vial H2SO4 preserved	D	NA		3.6	Y	Absent		TOC-5310(28)
L1820793-11N	Vial H2SO4 preserved	D	NA		3.6	Y	Absent		TOC-5310(28)
L1820793-11O	Plastic 250ml HNO3 preserved	D	<2	<2	3.6	Y	Absent		MN-6020S(180),CR-6020S(180),FE-6020S(180),AS-6020S(180),AL-6020S(180)
L1820793-11P	Plastic 250ml HNO3 preserved	D	<2	<2	3.6	Y	Absent		FE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),SO-UI(180),AL-6020T(180),MG-6020T(180)
L1820793-12A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1820793-12B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER HAMPSHIRE CHEMICAL CORP	**Lab Number:**	L1820793
Project Number:	701970.01.SA	**Report Date:**	06/12/18

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

Project Name:	FORMER HAMPSHIRE CHEMICAL CORP	**Lab Number:**	L1820793
Project Number:	701970.01.SA	**Report Date:**	06/12/18

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER HAMPSHIRE CHEMICAL CORP	**Lab Number:**	L1820793
Project Number:	701970.01.SA	**Report Date:**	06/12/18

REFERENCES

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

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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.

L1820793

JACOBS — Chain of Custody Record

CH2M COC (YYYYMMDD-##): 20180604-18-2

LABORATORY: Alpha Analytical, 8 Walkup Dr, Westborough, MA 01581 (800) 624-9220
LABORATORY CONTACT: Ashaley Kane

PROJECT: Former Hampshire Chemical Corp., Waterloo, NY
PROJECT NUMBER: 703077.01.SA
EVENT: 2018 Annual Groundwater Sampling

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 # ~~4500001001~~ 703077 | DATA PACKAGE: Level IV
TURNAROUND TIME: Standard | PROGRAM: RCRA
SAMPLER(s): Dan Holmes | SIGNATURE:

ANALYSES REQUESTED

PRESERVATIVE CODES (H=HCl, N=HNO_3, S=H_2SO_4, Zn=zinc acetate, B=NaOH, --=none)

SAMPLE IDENTIFICATION	GRAB/COMPOSITE	DATE	TIME	MATRIX	# CONTAINERS	H: VOCs + TICs (8260C)	N: Total Metals (6010C)(Al, As, Ca, Cr, Fe, K, Mg, Mn, Na)	N: Dissolved Metals (6010C)(Al, As, Cr, Fe, Mn) Field Filtered	N: Total Metals (6010C)(Al, As, Ca, Fe, K, Mg, Mn, Na)	N: Dissolved Metalsb (6010C) (Al, As, Fe, Mn) Field Filtered	--: Anions (300.0) (Cl^-, SO_4^{2-})	--: Nitrate (353.2)	--: Alkalinity (310.2)	S: Total Phosphorous (365.4)	S: TOC (SM5310)	S: Ammonia (350.1)	S: TKN (351.2)	--: Orthophosphate(SM4500PE) Field Filtered	--: TDS (SM2540)	Z,B: Total Sulfide (SM 4500)	N: Silica (200.7)	--: SVOCs + TICs (8270C)	--: PAHs (8270D SIM)	Additional Requirements
MW20-060418	G	6/4/18	1520	GW	9	✓			✓	✓												✓	✓	
MW20-060418-MS		6/4/18	1520		2																	✓		
MW20-060418-MSD		6/4/18	1520		2																	✓		
Dup-GW-060418		6/4/18	0800		9	✓			✓	✓												✓	✓	
MW36-060518		6/5/18	1010		13				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
MW35-060518		6/5/18	1215		13				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
MW37-060518		6/5/18	1520		13				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
MW37-060518-MS		6/5/18	1520		2				✓	✓														
MW37-060518-MSD		6/5/18	1520		2				✓	✓														
Dup-GW-060518	↓	6/5/18	0805		13				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
MW06-060418	↓	6/4/18	1650	↓	9	✓			✓	✓												✓	✓	
TB-060518		6/5/18	0810	W	2	✓																		

1. RELINQUISHED BY (Signature)	DATE	TIME	1. RECEIVED BY (Signature)	DATE	TIME
	6/5/18	1655	AAC	6-5-18	1655
2. RELINQUISHED BY (Signature)	DATE	TIME	2. RECEIVED BY (Signature)	DATE	TIME
				6/6/18	0150
3. RELINQUISHED BY (Signature)	DATE	TIME	3. RECEIVED BY (Signature)	DATE	TIME

ADDITIONAL REMARKS/INSTRUCTIONS:

PAGE ____ of ____

L1820783

JACOBS

Chain of Custody Record

CH2M COC (YYYYMMDD-##): 20180605-03

LABORATORY: Alpha Analytical, 8 Walkup Dr, Westborough, MA 01581
(800) 624-9220
LABORATORY CONTACT: Ashaley Kane

PROJECT: Former Hampshire Chemical Corp., Waterloo, NY
PROJECT NUMBER: 703077.01.SA
EVENT: 2018 Annual Groundwater Sampling

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 # 131004891 7c3077 DATA PACKAGE: Level IV
TURNAROUND TIME: Standard PROGRAM: RCRA
SAMPLER(s): C. Leffler, A. Stapleton, T. Salisbury SIGNATURE:

ANALYSES REQUESTED

PRESERVATIVE CODES (H=HCl, N=HNO_3, S=H_2SO_4, Zn=zinc acetate, B=NaOH, --=none)

SAMPLE IDENTIFICATION	GRAB/COMPOSITE	DATE	TIME	MATRIX	# CONTAINERS	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 Metalsb (6010C) (Al, As, Fe, Mn) Field Filtered	Anions (300.0) (Cl^-, $SO4^{2-}$)	Nitrate (353.2)	Alkalinity (310.2)	Total Phosphorous (365.4)	TOC (SM5310)	Ammonia (350.1)	TKN (351.2)	Orthophosphate(SM4500PE) Field Filtered	TDS (SM2540)	Total Sulfide (SM 4500)	Silica (200.7)	SVOCs + TICs (8270C)	PAHs (8270D SIM)	Additional Requirements
	H	N	N	N	N	--	--	S			--	--	Z,B	N	--	--								
SV05-060518	G	6/5/18	1530	GW	6	✓					✓									✓				Note #1
MW33-060518	|	|	1500	|	16	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			|
MW03-060518	↓	|	1100	↓	16	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			↓
TB-060518-2	-	↓	0800	W	2	✓																		

1. RELINQUISHED BY (Signature)	DATE	TIME	1. RECEIVED BY (Signature)	DATE	TIME
	6/5/18	1700	AAL	6-5-18	16:55
2. RELINQUISHED BY (Signature)	DATE	TIME	2. RECEIVED BY (Signature)	DATE	TIME
				6/6/18	0130
3. RELINQUISHED BY (Signature)	DATE	TIME	3. RECEIVED BY (Signature)	DATE	TIME

ADDITIONAL REMARKS/INSTRUCTIONS:
(1) Collected from well with high hydrogen sulfide gas

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