AECOM

Operation, Maintenance and Monitoring Report
April 2020

NOW Corporation
NYSDEC Site No. 3-14-008

Work Assignment No.
D007626-25

Prepared for:

SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by:

AECOM Technical Services Northeast, Inc.
40 British American Boulevard
Latham, New York 12110

May 2020

May 22, 2020

Mr. Payson Long
NYSDEC Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: NOW Corporation - Site No. 3-14-008
O&M Summary Report: April 2020

Dear Mr. Long:

This monthly summary report describes the operation, maintenance and monitoring (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 30-day period (**March 16, 2020 – April 15, 2020**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 250,000 gallons of water were treated. Discharge from the treatment system averaged approximately 8,300 gallons per day (gpd).

As of the last day of the reporting period, a total of 118,929,823 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on April 15, 2020. **There were no exceedances of effluent limitations.** A copy of the analytical laboratory report is attached. Total VOCs in the most contaminated extraction well (TW-2A) were 1,636 µg/L; last month's value was 1,407.1 µg/L.

Table 2 presents operational data recorded on the sampling date.

The NYSDEC's call-out subcontractor, Precision Environmental Services (PES), made one site visit to conduct the required system inspection, perform scheduled maintenance, and collect water samples. One additional site visit was performed due to an interruption in system-generated emails. NYSDEC-required field documentation related to the COVID-19 (novel coronavirus) pandemic is attached. Details for the current period are as follows:

April 8 – Investigated why the ProControl system was not sending daily status emails – modem was reset.

April 15 – Cleaned the site glass on the air stripper sump. Inspected the site to see if any trees had fallen due to a recent wind storm. Performed monthly system inspection and influent and effluent sampling.

The pump in extraction well TW-3 was off during this reporting period but was manually activated to obtain the sample. The pumps in extraction wells TW-1 and TW-2 were operational throughout the period.

The VFD regulating the stripper blower remained at 55 Hz upon departure.

Please feel free to contact me at (518) 951-2373, or at lindsay.mitchell@aecom.com if you have any questions or comments regarding this report or the operation of the treatment system.

Sincerely,

AECOM Technical Services Northeast, Inc.

Lindsay Mitchell

Lindsay Mitchell, P.E.
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: April 15, 2020
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, avg per day		8,324				Monitor	gallons
pH	7.0	7.6				6.5 to 8.5	standard units
Oil and Grease	<5.3	**2.4 J**	NA	NA	NA	15	mg/L
Total Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
TDS	**245**	**257**	NA	NA	NA	1000	mg/L
TSS	<4	<4	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	Monitor	µg/L
Arsenic, Total	<15	<15	NA	NA	NA	100	µg/L
Barium, Total	**78**	**78**	NA	NA	NA	Monitor	µg/L
Chromium	**1.3 J**	<4	NA	NA	NA	400	µg/L
Copper	**2.7 J**	<10	NA	NA	NA	24	µg/L
Iron	**69**	<50	NA	NA	NA	600	µg/L
Mercury	<0.2	<0.2	NA	NA	NA	0.8	µg/L
Manganese	**150 B**	**21 B**	NA	NA	NA	Monitor	µg/L
Nickel	<10	<10	NA	NA	NA	200	µg/L
Zinc	**2.1 J**	**1.9 J**	NA	NA	NA	150	µg/L
1,1,1-Trichloroethane	**390**	<1	**1.8**	**750 F1**	**1.3**	10	µg/L
1,1,2-Trichloroethane	<5	<1	<1	<10	<1	1.2	µg/L
1,1-Dichloroethane	**180**	<1	**4.8**	**340**	**24**	10	µg/L
1,1-Dichloroethene	**15**	<1	**0.53 J**	**24**	**7.7**	0.5	µg/L
1,2-Dichloroethane	<5	<1	<1	<10	<1	1.6	µg/L
2-Butanone	<50	<10	<10	<100	<10	NL	µg/L
Benzene	<5	<1	<1	<10	<1	1.4	µg/L
Chlorobenzene	<5	<1	<1	<10	<1	10	µg/L
Chloroethane	<5	<1	<1	<10	<1	10	µg/L
cis-1,2-Dichloroethene	**9**	<1	<1	**12**	**4.3**	5	µg/L
Ethylbenzene	<5	<1	<1	<10	<1	10	µg/L
o-Xylene	<10	<2	<2	<20	<2	5	µg/L
m,p-Xylene						10	µg/L
Tetrachloroethene	<5	<1	<1	<10	<1	1.4	µg/L
Tetrahydrofuran	NA	NA	NA	NA	NA	NL	µg/L
Toluene	<5	<1	<1	<10	<1	10	µg/L
Trichloroethene	**300**	<1	**14**	**510**	**43**	6	µg/L
Vinyl Chloride	<5	<1	<1	<10	<1	0.6	µg/L

Notes:

1) Detected concentrations are presented in ***bold*** *typeface, and are expressed in the units shown in far right column.*

2) Effluent concentration boxed in ***bold*** *denotes exceedance of effluent limitations.*

3) NA indicates parameter was not analyzed.

*4) "**J**" indicates the result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.*

*5) "**B**" denotes the compound was found in the blank and sample.*

6) NL indicates no effluent limitations are specified.

*7) "**F1**" indicates the Matrix Spike and/or Matrix Spike Duplicate recovery exceeds control limits.*

Table 2
Summary of April 2020 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		**4/15/20**	**Units**
TW-1			
	Pumping Rate	6	GPM
	Water Level Above Transducer	14.81	feet
	Flow Meter Reading	9,365,307	gallons
	Pump Pressure	5	psi
TW-2A			
	Pumping Rate	15	GPM
	Water Level Above Transducer	19.46	feet
	Flow Meter Reading	21,826,432	gallons
	Pump Pressure	11	psi
TW-3			
	Pumping Rate	3	GPM
	Water Level Above Transducer	82.10	feet
	Flow Meter Reading	16,982,791	gallons
	Pump Pressure	0	psi
VFD Setting	Arrival	55	Hz
	Departure	55	Hz
Air Stripper			
	Stripper Blower Pressure	13.5	inches H_2O
	Air Temperature in Stripper	52	°F
Effluent Flow			
	Effluent Flow this period	249,729	gallons
	Total Effluent Flow	118,929,823	gallons

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-168744-1
Client Project/Site: NOW Corp. #314008

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

Authorized for release by:
4/30/2020 10:40:04 AM

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Judy Stone
Senior Project Manager
4/30/2020 10:40:04 AM

Table of Contents

Client: New York State D.E.C.
Job ID: 480-168744-1
Project/Site: NOW Corp. #314008

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-168744-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-168744-1

Receipt
The samples were received on 4/17/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 041520 (480-168744-1), (480-168744-G-1 MS) and (480-168744-G-1 MSD), TW-2A 041520 (480-168744-4), (480-168744-A-4 MS) and (480-168744-A-4 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the high concentration of 1,1,1-Trichloroethane, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-526698 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: INFLUENT 041520
Date Collected: 04/15/20 12:15
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**390**		5.0	4.1	ug/L			04/18/20 23:39	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			04/18/20 23:39	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			04/18/20 23:39	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			04/18/20 23:39	5
1,1-Dichloroethane	**180**		5.0	1.9	ug/L			04/18/20 23:39	5
1,1-Dichloroethene	**15**		5.0	1.5	ug/L			04/18/20 23:39	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			04/18/20 23:39	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			04/18/20 23:39	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			04/18/20 23:39	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			04/18/20 23:39	5
1,2-Dichloropropane	ND	F1	5.0	3.6	ug/L			04/18/20 23:39	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			04/18/20 23:39	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			04/18/20 23:39	5
2-Butanone (MEK)	ND		50	6.6	ug/L			04/18/20 23:39	5
2-Hexanone	ND		25	6.2	ug/L			04/18/20 23:39	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			04/18/20 23:39	5
Acetone	ND		50	15	ug/L			04/18/20 23:39	5
Benzene	ND	F1	5.0	2.1	ug/L			04/18/20 23:39	5
Bromodichloromethane	ND		5.0	2.0	ug/L			04/18/20 23:39	5
Bromoform	ND		5.0	1.3	ug/L			04/18/20 23:39	5
Bromomethane	ND		5.0	3.5	ug/L			04/18/20 23:39	5
Carbon disulfide	ND		5.0	0.95	ug/L			04/18/20 23:39	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			04/18/20 23:39	5
Chlorobenzene	ND		5.0	3.8	ug/L			04/18/20 23:39	5
Dibromochloromethane	ND		5.0	1.6	ug/L			04/18/20 23:39	5
Chloroethane	ND		5.0	1.6	ug/L			04/18/20 23:39	5
Chloroform	ND		5.0	1.7	ug/L			04/18/20 23:39	5
Chloromethane	ND		5.0	1.8	ug/L			04/18/20 23:39	5
cis-1,2-Dichloroethene	**9.0**		5.0	4.1	ug/L			04/18/20 23:39	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			04/18/20 23:39	5
Cyclohexane	ND		5.0	0.90	ug/L			04/18/20 23:39	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			04/18/20 23:39	5
Ethylbenzene	ND		5.0	3.7	ug/L			04/18/20 23:39	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			04/18/20 23:39	5
Isopropylbenzene	ND		5.0	4.0	ug/L			04/18/20 23:39	5
Methyl acetate	ND		13	6.5	ug/L			04/18/20 23:39	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			04/18/20 23:39	5
Methylcyclohexane	ND		5.0	0.80	ug/L			04/18/20 23:39	5
Methylene Chloride	ND		5.0	2.2	ug/L			04/18/20 23:39	5
Styrene	ND		5.0	3.7	ug/L			04/18/20 23:39	5
Tetrachloroethene	ND		5.0	1.8	ug/L			04/18/20 23:39	5
Toluene	ND		5.0	2.6	ug/L			04/18/20 23:39	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			04/18/20 23:39	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			04/18/20 23:39	5
Trichloroethene	**300**		5.0	2.3	ug/L			04/18/20 23:39	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			04/18/20 23:39	5
Vinyl chloride	ND		5.0	4.5	ug/L			04/18/20 23:39	5
Xylenes, Total	ND		10	3.3	ug/L			04/18/20 23:39	5

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: INFLUENT 041520

Date Collected: 04/15/20 12:15
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/18/20 23:39*	*5*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/18/20 23:39*	*5*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/18/20 23:39*	*5*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*04/18/20 23:39*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		04/21/20 08:48	04/22/20 22:47	1
Arsenic	ND		0.015	0.0056	mg/L		04/21/20 08:48	04/22/20 22:47	1
Barium	**0.078**		0.0020	0.00070	mg/L		04/21/20 08:48	04/22/20 22:47	1
Chromium	**0.0013**	**J**	0.0040	0.0010	mg/L		04/21/20 08:48	04/22/20 22:47	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		04/21/20 08:48	04/22/20 22:47	1
Iron	**0.069**		0.050	0.019	mg/L		04/21/20 08:48	04/22/20 22:47	1
Manganese	**0.15**	**B**	0.0030	0.00040	mg/L		04/21/20 08:48	04/22/20 22:47	1
Nickel	ND		0.010	0.0013	mg/L		04/21/20 08:48	04/22/20 22:47	1
Zinc	**0.0021**	**J**	0.010	0.0015	mg/L		04/21/20 08:48	04/22/20 22:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/24/20 12:19	04/24/20 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.3	1.5	mg/L		04/21/20 17:51	04/22/20 01:05	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/29/20 12:24	04/29/20 13:49	1
Total Dissolved Solids	**245**		10.0	4.0	mg/L			04/20/20 18:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/17/20 12:38	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-1 041520
Date Collected: 04/15/20 12:05
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.8**		1.0	0.82	ug/L			04/19/20 00:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/20 00:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/20 00:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/20 00:03	1
1,1-Dichloroethane	**4.8**		1.0	0.38	ug/L			04/19/20 00:03	1
1,1-Dichloroethene	**0.53**	**J**	1.0	0.29	ug/L			04/19/20 00:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/20 00:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/20 00:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/20 00:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/20 00:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/20 00:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/20 00:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/20 00:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/20 00:03	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/20 00:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/20 00:03	1
Acetone	ND		10	3.0	ug/L			04/19/20 00:03	1
Benzene	ND		1.0	0.41	ug/L			04/19/20 00:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/20 00:03	1
Bromoform	ND		1.0	0.26	ug/L			04/19/20 00:03	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/20 00:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/20 00:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/20 00:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/20 00:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/20 00:03	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/20 00:03	1
Chloroform	ND		1.0	0.34	ug/L			04/19/20 00:03	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/20 00:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/20 00:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/20 00:03	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/20 00:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/20 00:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/20 00:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/20 00:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/20 00:03	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/20 00:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/20 00:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/20 00:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/20 00:03	1
Styrene	ND		1.0	0.73	ug/L			04/19/20 00:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/20 00:03	1
Toluene	ND		1.0	0.51	ug/L			04/19/20 00:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/20 00:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/20 00:03	1
Trichloroethene	**14**		1.0	0.46	ug/L			04/19/20 00:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/20 00:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/20 00:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/20 00:03	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-1 041520
Date Collected: 04/15/20 12:05
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		04/19/20 00:03	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		04/19/20 00:03	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/19/20 00:03	1
Dibromofluoromethane (Surr)	110		75 - 123		04/19/20 00:03	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-3 041520
Date Collected: 04/15/20 12:00
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.3**		1.0	0.82	ug/L			04/19/20 00:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/20 00:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/20 00:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/20 00:27	1
1,1-Dichloroethane	**24**		1.0	0.38	ug/L			04/19/20 00:27	1
1,1-Dichloroethene	**7.7**		1.0	0.29	ug/L			04/19/20 00:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/20 00:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/20 00:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/20 00:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/20 00:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/20 00:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/20 00:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/20 00:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/20 00:27	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/20 00:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/20 00:27	1
Acetone	ND		10	3.0	ug/L			04/19/20 00:27	1
Benzene	ND		1.0	0.41	ug/L			04/19/20 00:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/20 00:27	1
Bromoform	ND		1.0	0.26	ug/L			04/19/20 00:27	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/20 00:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/20 00:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/20 00:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/20 00:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/20 00:27	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/20 00:27	1
Chloroform	ND		1.0	0.34	ug/L			04/19/20 00:27	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/20 00:27	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.81	ug/L			04/19/20 00:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/20 00:27	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/20 00:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/20 00:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/20 00:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/20 00:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/20 00:27	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/20 00:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/20 00:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/20 00:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/20 00:27	1
Styrene	ND		1.0	0.73	ug/L			04/19/20 00:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/20 00:27	1
Toluene	ND		1.0	0.51	ug/L			04/19/20 00:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/20 00:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/20 00:27	1
Trichloroethene	**43**		1.0	0.46	ug/L			04/19/20 00:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/20 00:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/20 00:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/20 00:27	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-3 041520
Date Collected: 04/15/20 12:00
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		04/19/20 00:27	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		04/19/20 00:27	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/19/20 00:27	1
Dibromofluoromethane (Surr)	109		75 - 123		04/19/20 00:27	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-2A 041520
Date Collected: 04/15/20 12:10
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**750**	**F1**	10	8.2	ug/L			04/18/20 18:21	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			04/18/20 18:21	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			04/18/20 18:21	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			04/18/20 18:21	10
1,1-Dichloroethane	**340**		10	3.8	ug/L			04/18/20 18:21	10
1,1-Dichloroethene	**24**		10	2.9	ug/L			04/18/20 18:21	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			04/18/20 18:21	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			04/18/20 18:21	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			04/18/20 18:21	10
1,2-Dichloroethane	ND		10	2.1	ug/L			04/18/20 18:21	10
1,2-Dichloropropane	ND		10	7.2	ug/L			04/18/20 18:21	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			04/18/20 18:21	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			04/18/20 18:21	10
2-Butanone (MEK)	ND		100	13	ug/L			04/18/20 18:21	10
2-Hexanone	ND		50	12	ug/L			04/18/20 18:21	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			04/18/20 18:21	10
Acetone	ND		100	30	ug/L			04/18/20 18:21	10
Benzene	ND		10	4.1	ug/L			04/18/20 18:21	10
Bromodichloromethane	ND		10	3.9	ug/L			04/18/20 18:21	10
Bromoform	ND		10	2.6	ug/L			04/18/20 18:21	10
Bromomethane	ND		10	6.9	ug/L			04/18/20 18:21	10
Carbon disulfide	ND		10	1.9	ug/L			04/18/20 18:21	10
Carbon tetrachloride	ND		10	2.7	ug/L			04/18/20 18:21	10
Chlorobenzene	ND		10	7.5	ug/L			04/18/20 18:21	10
Dibromochloromethane	ND		10	3.2	ug/L			04/18/20 18:21	10
Chloroethane	ND		10	3.2	ug/L			04/18/20 18:21	10
Chloroform	ND		10	3.4	ug/L			04/18/20 18:21	10
Chloromethane	ND		10	3.5	ug/L			04/18/20 18:21	10
cis-1,2-Dichloroethene	**12**		10	8.1	ug/L			04/18/20 18:21	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			04/18/20 18:21	10
Cyclohexane	ND		10	1.8	ug/L			04/18/20 18:21	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			04/18/20 18:21	10
Ethylbenzene	ND		10	7.4	ug/L			04/18/20 18:21	10
1,2-Dibromoethane	ND		10	7.3	ug/L			04/18/20 18:21	10
Isopropylbenzene	ND		10	7.9	ug/L			04/18/20 18:21	10
Methyl acetate	ND		25	13	ug/L			04/18/20 18:21	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			04/18/20 18:21	10
Methylcyclohexane	ND		10	1.6	ug/L			04/18/20 18:21	10
Methylene Chloride	ND		10	4.4	ug/L			04/18/20 18:21	10
Styrene	ND		10	7.3	ug/L			04/18/20 18:21	10
Tetrachloroethene	ND		10	3.6	ug/L			04/18/20 18:21	10
Toluene	ND		10	5.1	ug/L			04/18/20 18:21	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			04/18/20 18:21	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			04/18/20 18:21	10
Trichloroethene	**510**		10	4.6	ug/L			04/18/20 18:21	10
Trichlorofluoromethane	ND		10	8.8	ug/L			04/18/20 18:21	10
Vinyl chloride	ND		10	9.0	ug/L			04/18/20 18:21	10
Xylenes, Total	ND		20	6.6	ug/L			04/18/20 18:21	10

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TW-2A 041520
Date Collected: 04/15/20 12:10
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/18/20 18:21*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/18/20 18:21*	*10*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/18/20 18:21*	*10*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*04/18/20 18:21*	*10*

Client: New York State D.E.C.
Job ID: 480-168744-1
Project/Site: NOW Corp. #314008

Client Sample ID: EFFLUENT 041520
Lab Sample ID: 480-168744-5
Date Collected: 04/15/20 12:20
Matrix: Water
Date Received: 04/17/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/18/20 18:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/18/20 18:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/18/20 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/18/20 18:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/18/20 18:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/18/20 18:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/18/20 18:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/18/20 18:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/18/20 18:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/18/20 18:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/18/20 18:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/18/20 18:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/18/20 18:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/18/20 18:46	1
2-Hexanone	ND		5.0	1.2	ug/L			04/18/20 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/18/20 18:46	1
Acetone	ND		10	3.0	ug/L			04/18/20 18:46	1
Benzene	ND		1.0	0.41	ug/L			04/18/20 18:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/18/20 18:46	1
Bromoform	ND		1.0	0.26	ug/L			04/18/20 18:46	1
Bromomethane	ND		1.0	0.69	ug/L			04/18/20 18:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/18/20 18:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/18/20 18:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/18/20 18:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/18/20 18:46	1
Chloroethane	ND		1.0	0.32	ug/L			04/18/20 18:46	1
Chloroform	ND		1.0	0.34	ug/L			04/18/20 18:46	1
Chloromethane	ND		1.0	0.35	ug/L			04/18/20 18:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/18/20 18:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/18/20 18:46	1
Cyclohexane	ND		1.0	0.18	ug/L			04/18/20 18:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/18/20 18:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/18/20 18:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/18/20 18:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/18/20 18:46	1
Methyl acetate	ND		2.5	1.3	ug/L			04/18/20 18:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/18/20 18:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/18/20 18:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/18/20 18:46	1
Styrene	ND		1.0	0.73	ug/L			04/18/20 18:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/18/20 18:46	1
Toluene	ND		1.0	0.51	ug/L			04/18/20 18:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/18/20 18:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/18/20 18:46	1
Trichloroethene	ND		1.0	0.46	ug/L			04/18/20 18:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/18/20 18:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/18/20 18:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/18/20 18:46	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: EFFLUENT 041520

Date Collected: 04/15/20 12:20
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/18/20 18:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/18/20 18:46*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/18/20 18:46*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*04/18/20 18:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		04/21/20 08:48	04/22/20 22:51	1
Arsenic	ND		0.015	0.0056	mg/L		04/21/20 08:48	04/22/20 22:51	1
Barium	**0.078**		0.0020	0.00070	mg/L		04/21/20 08:48	04/22/20 22:51	1
Chromium	ND		0.0040	0.0010	mg/L		04/21/20 08:48	04/22/20 22:51	1
Copper	ND		0.010	0.0016	mg/L		04/21/20 08:48	04/22/20 22:51	1
Iron	ND		0.050	0.019	mg/L		04/21/20 08:48	04/22/20 22:51	1
Manganese	**0.021**	**B**	0.0030	0.00040	mg/L		04/21/20 08:48	04/22/20 22:51	1
Nickel	ND		0.010	0.0013	mg/L		04/21/20 08:48	04/22/20 22:51	1
Zinc	**0.0019**	**J**	0.010	0.0015	mg/L		04/21/20 08:48	04/22/20 22:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/24/20 12:19	04/24/20 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	**2.4**	**J**	5.4	1.5	mg/L		04/21/20 17:51	04/22/20 01:05	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/29/20 12:24	04/29/20 13:52	1
Total Dissolved Solids	**257**		10.0	4.0	mg/L			04/20/20 18:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/17/20 12:38	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TRIP BLANK
Date Collected: 04/15/20 00:00
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/18/20 19:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/18/20 19:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/18/20 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/18/20 19:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/18/20 19:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/18/20 19:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/18/20 19:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/18/20 19:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/18/20 19:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/18/20 19:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/18/20 19:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/18/20 19:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/18/20 19:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/18/20 19:10	1
2-Hexanone	ND		5.0	1.2	ug/L			04/18/20 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/18/20 19:10	1
Acetone	ND		10	3.0	ug/L			04/18/20 19:10	1
Benzene	ND		1.0	0.41	ug/L			04/18/20 19:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/18/20 19:10	1
Bromoform	ND		1.0	0.26	ug/L			04/18/20 19:10	1
Bromomethane	ND		1.0	0.69	ug/L			04/18/20 19:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/18/20 19:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/18/20 19:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/18/20 19:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/18/20 19:10	1
Chloroethane	ND		1.0	0.32	ug/L			04/18/20 19:10	1
Chloroform	ND		1.0	0.34	ug/L			04/18/20 19:10	1
Chloromethane	ND		1.0	0.35	ug/L			04/18/20 19:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/18/20 19:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/18/20 19:10	1
Cyclohexane	ND		1.0	0.18	ug/L			04/18/20 19:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/18/20 19:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/18/20 19:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/18/20 19:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/18/20 19:10	1
Methyl acetate	ND		2.5	1.3	ug/L			04/18/20 19:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/18/20 19:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/18/20 19:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/18/20 19:10	1
Styrene	ND		1.0	0.73	ug/L			04/18/20 19:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/18/20 19:10	1
Toluene	ND		1.0	0.51	ug/L			04/18/20 19:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/18/20 19:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/18/20 19:10	1
Trichloroethene	ND		1.0	0.46	ug/L			04/18/20 19:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/18/20 19:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/18/20 19:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/18/20 19:10	1

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Client Sample ID: TRIP BLANK
Date Collected: 04/15/20 00:00
Date Received: 04/17/20 08:00

Lab Sample ID: 480-168744-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		04/18/20 19:10	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		04/18/20 19:10	1
4-Bromofluorobenzene (Surr)	88		73 - 120		04/18/20 19:10	1
Dibromofluoromethane (Surr)	108		75 - 123		04/18/20 19:10	1

Client Sample ID: INFLUENT 041520
Lab Sample ID: 480-168744-1

Date Collected: 04/15/20 12:15
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	526698	04/18/20 23:39	OMI	TAL BUF
Total/NA	Prep	3005A			526905	04/21/20 08:48	NSW	TAL BUF
Total/NA	Analysis	6010C		1	527858	04/22/20 22:47	LMH	TAL BUF
Total/NA	Prep	7470A			527888	04/24/20 12:19	BMB	TAL BUF
Total/NA	Analysis	7470A		1	527991	04/24/20 15:03	BMB	TAL BUF
Total/NA	Prep	1664B			527241	04/21/20 17:51	T1S	TAL BUF
Total/NA	Analysis	1664B		1	527276	04/22/20 01:05	T1S	TAL BUF
Total/NA	Prep	9012B			528711	04/29/20 12:24	ALT	TAL BUF
Total/NA	Analysis	9012B		1	528762	04/29/20 13:49	CRK	TAL BUF
Total/NA	Analysis	SM 2540C		1	526998	04/20/20 18:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	526587	04/17/20 12:38	CSS	TAL BUF

Client Sample ID: TW-1 041520
Lab Sample ID: 480-168744-2

Date Collected: 04/15/20 12:05
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	526698	04/19/20 00:03	OMI	TAL BUF

Client Sample ID: TW-3 041520
Lab Sample ID: 480-168744-3

Date Collected: 04/15/20 12:00
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	526698	04/19/20 00:27	OMI	TAL BUF

Client Sample ID: TW-2A 041520
Lab Sample ID: 480-168744-4

Date Collected: 04/15/20 12:10
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	526669	04/18/20 18:21	OMI	TAL BUF

Client Sample ID: EFFLUENT 041520
Lab Sample ID: 480-168744-5

Date Collected: 04/15/20 12:20
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	526669	04/18/20 18:46	OMI	TAL BUF
Total/NA	Prep	3005A			526905	04/21/20 08:48	NSW	TAL BUF
Total/NA	Analysis	6010C		1	527858	04/22/20 22:51	LMH	TAL BUF
Total/NA	Prep	7470A			527888	04/24/20 12:19	BMB	TAL BUF
Total/NA	Analysis	7470A		1	527991	04/24/20 15:04	BMB	TAL BUF
Total/NA	Prep	1664B			527241	04/21/20 17:51	T1S	TAL BUF
Total/NA	Analysis	1664B		1	527276	04/22/20 01:05	T1S	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-168744-1
Project/Site: NOW Corp. #314008

Client Sample ID: EFFLUENT 041520
Lab Sample ID: 480-168744-5

Date Collected: 04/15/20 12:20
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			528711	04/29/20 12:24	ALT	TAL BUF
Total/NA	Analysis	9012B		1	528762	04/29/20 13:52	CRK	TAL BUF
Total/NA	Analysis	SM 2540C		1	526999	04/20/20 18:08	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	526587	04/17/20 12:38	CSS	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-168744-6

Date Collected: 04/15/20 00:00
Matrix: Water
Date Received: 04/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	526669	04/18/20 19:10	OMI	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-168744-1
Project/Site: NOW Corp. #314008

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1664B	HEM and SGT-HEM	1664B	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

1664B = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: NOW Corp. #314008

Job ID: 480-168744-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-168744-1	INFLUENT 041520	Water	04/15/20 12:15	04/17/20 08:00	
480-168744-2	TW-1 041520	Water	04/15/20 12:05	04/17/20 08:00	
480-168744-3	TW-3 041520	Water	04/15/20 12:00	04/17/20 08:00	
480-168744-4	TW-2A 041520	Water	04/15/20 12:10	04/17/20 08:00	
480-168744-5	EFFLUENT 041520	Water	04/15/20 12:20	04/17/20 08:00	
480-168744-6	TRIP BLANK	Water	04/15/20 00:00	04/17/20 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Patrick Sokolowski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-144700-32222.1
Client Contact: ~~Mr. Patrick Sokolowski~~ John Johnson	Phone: (518) 885-4399	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Precision Environmental Services Inc.				Job #:

Address: 831 State Route 67 Ste 38	Due Date Requested:	Analysis Requested
City: Ballston Spa	TAT Requested (days): Standard (10-Day)	
State, Zip: NY, 12020		
Phone: 518-402-9625(Tel)	PO #: Callout 138003	
Email: psokolowski@pesnyinc.com jjohnson@pesnyinc.com	WO #:	
Project Name: NOW Corp. 314008	Project #: 48021886	
Site:	SSOW#:	

480-168744 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list VOAs	6010C, 7470A	2540D - TSS	2540C_Calcd - TDS	9012B - Cyanide	1664B - Oil & Grease	Total Number of co	Special Instructions/Note:
			Preservation Code:				A	D	N	N	B	S		
Influent 041520	4-15-20	1215	Grab	Water			X	X	X	X	X	X	9	* Al, As, Ba, Cr, Cu, Fe, Mn, Hg, Zn, Ni
~~TW-1~~ TW-1 041520		1205		Water									3	
TW-3 041520		1200		Water									3	
TW-2A 041520		1210		Water									3	
Effluent 041520		1220		Water			X	X	X	X	X	X	9	
Trip Blank				Water			X						2	
				Water										
KZ	4/14/20													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Cc Report to Lindsay.Mitchell@AECOM (Lindsay.Mitchell@aecom.com)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/14/20 0700	PES	Karl Ladue	4/14/20 0700	Eurofins
Karl Ladue	4/16/20 1700	Eurofins	Cwallace	4/17/20 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #2 3.0

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-168744-1

Login Number: 168744

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PRECISION
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☑	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☑	No ☐
Comments: Just 1 person from PES onsite		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐ NA ☑
If Yes to any of 1-4 above: ◦ If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☐
Comments:			