FINAL

New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 1F03046
Client Project: Synagro

Report Date: 11-June-2021

Prepared for:

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Total # of Pages: 17

Samples Submitted:

The samples listed below were submitted to New England Testing Laboratory on 06/03/21. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 1F03046. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled
1F03046-01	Final Effluent - Composite	Water	06/03/2021
1F03046-02	Final Effluent - Grab	Water	06/02/2021

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

Final Effluent - Composite

Acid Base/Neutral Extractables	EPA 625.1
Arsenic	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Copper	EPA 200.8
Nickel	EPA 200.8
Lead	EPA 200.8
Zinc	EPA 200.8
Mercury	EPA 245.1
Silver	EPA 200.8

Final Effluent - Grab

Arsenic	EPA 200.8
Cyanide	SM4500-CN-E (11)
Cadmium	EPA 200.8
Chromium	EPA 200.8
Copper	EPA 200.8
Nickel	EPA 200.8
Lead	EPA 200.8
Zinc	EPA 200.8
Mercury	EPA 245.1
Volatile Organic Compounds	EPA 624.1
Acrolein, Acrylonitrile & 2-CEVE	EPA 624.1
Silver	EPA 200.8

The analytical methods provided are documented in the following references:

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.
Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF.
40 CFR 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act*, Office of Federal Register National Archives and Records Administration.

Results:

Sample: Final Effluent - Composite
1F03046-01 (Water)

Total Metals

	Result	Reporting Limit	Units	Date Analyzed
Silver	ND	0.0001	mg/L	06/09/21
Arsenic	**0.0006**	0.0001	mg/L	06/09/21
Cadmium	ND	0.0001	mg/L	06/09/21
Chromium	**0.0005**	0.0001	mg/L	06/09/21
Copper	**0.003**	0.001	mg/l	06/09/21
Nickel	**0.003**	0.001	mg/l	06/09/21
Lead	ND	0.0001	mg/L	06/09/21
Zinc	**0.014**	0.001	mg/l	06/09/21
Mercury	ND	0.0002	mg/L	06/09/21

Base/Neutral & Acid Extractables

	Result	Reporting Limit	Units	Date Analyzed
1,2,4-Trichlorobenzene	ND	2	ug/l	06/08/21
1,2-Dichlorobenzene	ND	2	ug/l	06/08/21
1,3-Dichlorobenzene	ND	2	ug/l	06/08/21
1,4-Dichlorobenzene	ND	2	ug/l	06/08/21
Phenol	ND	2	ug/l	06/08/21
2,4,6-Trichlorophenol	ND	2	ug/l	06/08/21
2,4-Dichlorophenol	ND	2	ug/l	06/08/21
2,4-Dimethylphenol	ND	10	ug/l	06/08/21
2,4-Dinitrophenol	ND	5	ug/l	06/08/21
2,4-Dinitrotoluene	ND	2	ug/l	06/08/21
2,6-Dinitrotoluene	ND	2	ug/l	06/08/21
2-Chloronaphthalene	ND	2	ug/l	06/08/21
2-Chlorophenol	ND	2	ug/l	06/08/21
Nitrobenzene	ND	2	ug/l	06/08/21
2-Nitrophenol	ND	5	ug/l	06/08/21
4,6-Dinitro-2-methylphenol	ND	5	ug/l	06/08/21
4-Bromophenyl phenyl ether	ND	2	ug/l	06/08/21
4-Chloro-3-methylphenol	ND	2	ug/l	06/08/21
4-Chlorophenyl phenyl ether	ND	2	ug/l	06/08/21
4-Nitrophenol	ND	5	ug/l	06/08/21
Acenaphthene	ND	2	ug/l	06/08/21
Acenaphthylene	ND	2	ug/l	06/08/21
Anthracene	ND	2	ug/l	06/08/21
Benzidine	ND	60	ug/l	06/08/21
Benzo(a)anthracene	ND	2	ug/l	06/08/21

Sample: Final Effluent - Composite (Continued)
1F03046-01 (Water)

Base/Neutral & Acid Extractables (Continued)

	Result	Reporting Limit	Units	Date Analyzed
Benzo(a)pyrene	ND	2	ug/l	06/08/21
Benzo(b)fluoranthene	ND	2	ug/l	06/08/21
Benzo(g,h,i)perylene	ND	2	ug/l	06/08/21
Benzo(k)fluoranthene	ND	2	ug/l	06/08/21
Bis(2-chloroethoxy)methane	ND	2	ug/l	06/08/21
Bis(2-chloroethyl)ether	ND	2	ug/l	06/08/21
Bis(2-chloroisopropyl)ether	ND	2	ug/l	06/08/21
Bis(2-ethylhexyl)phthalate	ND	6	ug/l	06/08/21
Butyl benzyl phthalate	ND	2	ug/l	06/08/21
Chrysene	ND	2	ug/l	06/08/21
Di(n)octyl phthalate	ND	3	ug/l	06/08/21
Dibenz(a,h)anthracene	ND	2	ug/l	06/08/21
Diethyl phthalate	ND	2	ug/l	06/08/21
Dimethyl phthalate	ND	2	ug/l	06/08/21
Di-n-butylphthalate	ND	3	ug/l	06/08/21
Fluoranthene	ND	2	ug/l	06/08/21
Fluorene	ND	2	ug/l	06/08/21
Hexachlorobenzene	ND	2	ug/l	06/08/21
Hexachlorobutadiene	ND	2	ug/l	06/08/21
Hexachlorocyclopentadiene	ND	5	ug/l	06/08/21
Hexachloroethane	ND	2	ug/l	06/08/21
Indeno(1,2,3-cd)pyrene	ND	2	ug/l	06/08/21
Isophorone	ND	2	ug/l	06/08/21
Naphthalene	ND	2	ug/l	06/08/21
N-Nitrosodimethylamine	ND	2	ug/l	06/08/21
N-Nitrosodi-n-propylamine	ND	2	ug/l	06/08/21
N-Nitrosodiphenylamine	ND	2	ug/l	06/08/21
Pentachlorophenol	ND	5	ug/l	06/08/21
Phenanthrene	ND	2	ug/l	06/08/21
Pyrene	ND	2	ug/l	06/08/21

Surrogate(s)	Recovery%	Limits	
Nitrobenzene-d5	*72.2%*	*30-118*	06/08/21
p-Terphenyl-d14	*108%*	*38-130*	06/08/21
2-Fluorobiphenyl	*72.4%*	*30-119*	06/08/21
Phenol-d6	*11.5%*	*10-115*	06/08/21
2,4,6-Tribromophenol	*64.3%*	*15-130*	06/08/21
2-Fluorophenol	*15.9%*	*10-115*	06/08/21

Sample: Final Effluent - Grab
1F03046-02 (Water)

General Chemistry

	Result	Reporting Limit	Units	Date Analyzed
Cyanide	ND	0.010	mg/L	06/08/21

Total Metals

	Result	Reporting Limit	Units	Date Analyzed
Silver	ND	0.0001	mg/L	06/09/21
Arsenic	**0.0006**	0.0001	mg/L	06/09/21
Cadmium	ND	0.0001	mg/L	06/09/21
Chromium	**0.0006**	0.0001	mg/L	06/09/21
Copper	**0.004**	0.001	mg/l	06/09/21
Nickel	**0.003**	0.001	mg/l	06/09/21
Lead	**0.0001**	0.0001	mg/L	06/09/21
Zinc	**0.015**	0.001	mg/l	06/09/21
Mercury	ND	0.0002	mg/L	06/09/21

Sample: Final Effluent - Grab (Continued)
1F03046-02 (Water)

Volatile Organic Compounds

	Result	Reporting Limit	Units	Date Analyzed
Benzene	ND	1	ug/l	06/04/21
Bromodichloromethane	ND	1	ug/l	06/04/21
Bromoform	ND	1	ug/l	06/04/21
Bromomethane	ND	1	ug/l	06/04/21
Carbon tetrachloride	ND	1	ug/l	06/04/21
Chlorobenzene	ND	1	ug/l	06/04/21
Chloroethane	ND	1	ug/l	06/04/21
Chloroform	ND	1	ug/l	06/04/21
Chloromethane	ND	1	ug/l	06/04/21
Dibromochloromethane	ND	1	ug/l	06/04/21
1,2-Dichlorobenzene	ND	1	ug/l	06/04/21
1,3-Dichlorobenzene	ND	1	ug/l	06/04/21
1,4-Dichlorobenzene	ND	1	ug/l	06/04/21
1,1-Dichloroethane	ND	1	ug/l	06/04/21
1,2-Dichloroethane	ND	1	ug/l	06/04/21
trans-1,2-Dichloroethene	ND	1	ug/l	06/04/21
1,1-Dichloroethene	ND	1	ug/l	06/04/21
1,2-Dichloropropane	ND	1	ug/l	06/04/21
cis-1,3-Dichloropropene	ND	1	ug/l	06/04/21
trans-1,3-Dichloropropene	ND	1	ug/l	06/04/21
Methylene chloride	ND	5	ug/l	06/04/21
Tetrachloroethene	ND	1	ug/l	06/04/21
Toluene	ND	1	ug/l	06/04/21
1,1,2-Trichloroethane	ND	1	ug/l	06/04/21
1,1,1-Trichloroethane	ND	1	ug/l	06/04/21
Trichloroethene	ND	1	ug/l	06/04/21
Vinyl chloride	ND	1	ug/l	06/04/21
1,1,2,2-Tetrachloroethane	ND	1	ug/l	06/04/21
Trichlorofluoromethane	ND	1	ug/l	06/04/21
cis-1,2-Dichloroethene	ND	1	ug/l	06/04/21
o-Xylene	ND	1	ug/l	06/04/21
m&p-Xylene	ND	2	ug/l	06/04/21
Ethylbenzene	ND	1	ug/l	06/04/21

Surrogate(s)	Recovery%	Limits	
4-Bromofluorobenzene	*98.1%*	*70-130*	06/04/21
1,2-Dichloroethane-d4	*103%*	*70-130*	06/04/21
Toluene-d8	*104%*	*70-130*	06/04/21

Sample: Final Effluent - Grab (Continued)
1F03046-02 (Water)

Volatile Organic Compounds (Acrolein, Acrylonitrile & 2-CEVE)

	Result	Reporting Limit	Units	Date Analyzed
Acrolein	ND	5	ug/l	06/04/21 12:52
Acrylonitrile	ND	5	ug/l	06/04/21 12:52
2-Chloroethylvinyl ether	ND	1	ug/l	06/04/21 12:52

Surrogate(s)	Recovery%	Limits	
4-Bromofluorobenzene	*98.1%*	*70-130*	06/04/21 12:52
1,2-Dichloroethane-d4	*103%*	*70-130*	06/04/21 12:52
Toluene-d8	*104%*	*70-130*	06/04/21 12:52

Case Narrative

VOC: 'Acrolein', 'Acrylonitrile', and '2-CEVE' were analyzed using the preserved sample provided by the client.

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

All samples were analyzed in accordance with 40 CFR 136 approved methodologies when applicable.

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0389 - Cyanide										
Blank (B1F0389-BLK1)					Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L						
Blank (B1F0389-BLK2)					Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L						
LCS (B1F0389-BS1)					Date Analyzed: 06/08/21					
Cyanide	0.091		0.010	mg/L	0.100		91.0	90-110		
LCS (B1F0389-BS2)					Date Analyzed: 06/08/21					
Cyanide	0.095		0.010	mg/L	0.100		95.0	90-110		
LCS (B1F0389-BS3)					Date Analyzed: 06/08/21					
Cyanide	0.092		0.010	mg/L	0.100		92.0	90-110		
Duplicate (B1F0389-DUP1)			**Source: 1F02028-01**		Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L		ND				200
Matrix Spike (B1F0389-MS1)			**Source: 1F02028-01**		Date Analyzed: 06/08/21					
Cyanide	0.055		0.010	mg/L	0.100	ND	55.0	80-120		

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0335 - Metals Digestion Waters										
Blank (B1F0335-BLK1)					Date Analyzed: 06/09/21					
Cadmium	ND		0.0001	mg/L						
Zinc	ND		0.001	mg/l						
Silver	ND		0.0001	mg/L						
Arsenic	ND		0.0001	mg/L						
Chromium	ND		0.0001	mg/L						
Copper	ND		0.001	mg/l						
Nickel	ND		0.001	mg/l						
Lead	ND		0.0001	mg/L						
LCS (B1F0335-BS2)					Date Analyzed: 06/09/21					
Silver	0.0197		0.0001	mg/L	0.0200		98.5	85-115		
Copper	0.178		0.001	mg/l	0.200		88.9	85-115		
Chromium	0.0202		0.0001	mg/L	0.0200		101	85-115		
Zinc	0.205		0.001	mg/l	0.200		103	85-115		
Cadmium	0.0196		0.0001	mg/L	0.0200		98.1	85-115		
Arsenic	0.0207		0.0001	mg/L	0.0200		103	85-115		
Nickel	0.185		0.001	mg/l	0.200		92.7	85-115		
Lead	0.0196		0.0001	mg/L	0.0200		97.8	85-115		
Batch: B1F0473 - Metals Cold-Vapor Mercury										
Blank (B1F0473-BLK1)					Date Analyzed: 06/09/21					
Mercury	ND		0.0002	mg/L						
LCS (B1F0473-BS1)					Date Analyzed: 06/09/21					
Mercury	0.0010		0.0002	mg/L	0.00100		101	85-115		

Quality Control
(Continued)

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0292 - Purge-Trap										
Blank (B1F0292-BLK1)					Date Analyzed: 06/04/21					
Benzene	ND		1	ug/l						
Bromodichloromethane	ND		1	ug/l						
Bromoform	ND		1	ug/l						
Bromomethane	ND		1	ug/l						
Carbon tetrachloride	ND		1	ug/l						
Chlorobenzene	ND		1	ug/l						
Chloroethane	ND		1	ug/l						
Chloroform	ND		1	ug/l						
Chloromethane	ND		1	ug/l						
Dibromochloromethane	ND		1	ug/l						
1,2-Dichlorobenzene	ND		1	ug/l						
1,3-Dichlorobenzene	ND		1	ug/l						
1,4-Dichlorobenzene	ND		1	ug/l						
1,1-Dichloroethane	ND		1	ug/l						
1,2-Dichloroethane	ND		1	ug/l						
trans-1,2-Dichloroethene	ND		1	ug/l						
1,1-Dichloroethene	ND		1	ug/l						
1,2-Dichloropropane	ND		1	ug/l						
cis-1,3-Dichloropropene	ND		1	ug/l						
trans-1,3-Dichloropropene	ND		1	ug/l						
Methylene chloride	ND		5	ug/l						
Tetrachloroethene	ND		1	ug/l						
Toluene	ND		1	ug/l						
1,1,2-Trichloroethane	ND		1	ug/l						
1,1,1-Trichloroethane	ND		1	ug/l						
Trichloroethene	ND		1	ug/l						
Vinyl chloride	ND		1	ug/l						
1,1,2,2-Tetrachloroethane	ND		1	ug/l						
Trichlorofluoromethane	ND		1	ug/l						
cis-1,2-Dichloroethene	ND		1	ug/l						
o-Xylene	ND		1	ug/l						
m&p-Xylene	ND		2	ug/l						
Ethylbenzene	ND		1	ug/l						
Surrogate: 4-Bromofluorobenzene			*48.7*	ug/l	*50.0*		*97.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*52.3*	ug/l	*50.0*		*105*	*70-130*		
LCS (B1F0292-BS1)					Date Analyzed: 06/04/21					
Benzene	22			ug/l	20.0		110	65-135		
Bromodichloromethane	22			ug/l	20.0		108	65-135		
Bromoform	18			ug/l	20.0		89.2	70-130		
Bromomethane	26			ug/l	20.0		128	15-185		
Carbon tetrachloride	22			ug/l	20.0		112	70-130		
Chlorobenzene	19			ug/l	20.0		96.2	65-135		
Chloroethane	16			ug/l	20.0		78.2	40-160		
Chloroform	22			ug/l	20.0		110	70-135		
Chloromethane	25			ug/l	20.0		123	1-205		
Dibromochloromethane	23			ug/l	20.0		116	70-135		
1,2-Dichlorobenzene	18			ug/l	20.0		91.0	65-135		
1,3-Dichlorobenzene	18			ug/l	20.0		91.8	70-130		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0292 - Purge-Trap (Continued)										
LCS (B1F0292-BS1)					Date Analyzed: 06/04/21					
1,4-Dichlorobenzene	18			ug/l	20.0		91.0	65-135		
1,1-Dichloroethane	22			ug/l	20.0		108	70-130		
1,2-Dichloroethane	22			ug/l	20.0		110	70-130		
trans-1,2-Dichloroethene	22			ug/l	20.0		112	70-130		
1,1-Dichloroethene	21			ug/l	20.0		106	50-150		
1,2-Dichloropropane	22			ug/l	20.0		112	35-165		
cis-1,3-Dichloropropene	23			ug/l	20.0		115	25-175		
trans-1,3-Dichloropropene	23			ug/l	20.0		113	50-150		
Methylene chloride	28			ug/l	20.0		138	60-140		
Tetrachloroethene	24			ug/l	20.0		120	70-130		
Toluene	22			ug/l	20.0		111	70-130		
1,1,2-Trichloroethane	22			ug/l	20.0		112	70-130		
1,1,1-Trichloroethane	22			ug/l	20.0		112	70-130		
Trichloroethene	21			ug/l	20.0		105	65-135		
Vinyl chloride	25			ug/l	20.0		127	5-195		
1,1,2,2-Tetrachloroethane	19			ug/l	20.0		93.2	60-140		
Trichlorofluoromethane	20			ug/l	20.0		100	50-150		
cis-1,2-Dichloroethene	24			ug/l	20.0		118	70-130		
o-Xylene	20			ug/l	20.0		98.4	70-130		
m&p-Xylene	38			ug/l	40.0		94.7	70-130		
Ethylbenzene	19			ug/l	20.0		93.7	60-140		
Surrogate: 4-Bromofluorobenzene			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*54.4*	ug/l	*50.0*		*109*	*70-130*		
Surrogate: Toluene-d8			*52.6*	ug/l	*50.0*		*105*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Acrolein, Acrylonitrile & 2-CEVE)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0291 - Purge-Trap										
Blank (B1F0291-BLK1)					Date Analyzed: 06/04/21					
Acrolein	ND		5	ug/l						
Acrylonitrile	ND		5	ug/l						
2-Chloroethylvinyl ether	ND		1	ug/l						
Surrogate: 4-Bromofluorobenzene			*48.7*	ug/l	*50.0*		*97.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*52.3*	ug/l	*50.0*		*105*	*70-130*		
LCS (B1F0291-BS1)					Date Analyzed: 06/04/21					
Acrylonitrile	19			ug/l	20.0		96.6	60-140		
Acrolein	24			ug/l	20.0		118	60-140		
2-Chloroethylvinyl ether	23			ug/l	20.0		115	1-225		
Surrogate: 4-Bromofluorobenzene			*50.0*	ug/l	*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*54.0*	ug/l	*50.0*		*108*	*70-130*		
Surrogate: Toluene-d8			*53.2*	ug/l	*50.0*		*106*	*70-130*		

Quality Control
(Continued)

Base/Neutral & Acid Extractables

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0258 - Sep-Funnel-extraction										
Blank (B1F0258-BLK1)					Date Analyzed: 06/08/21					
1,2,4-Trichlorobenzene	ND		2	ug/l						
1,2-Dichlorobenzene	ND		2	ug/l						
1,3-Dichlorobenzene	ND		2	ug/l						
1,4-Dichlorobenzene	ND		2	ug/l						
Phenol	ND		2	ug/l						
2,4,6-Trichlorophenol	ND		2	ug/l						
2,4-Dichlorophenol	ND		2	ug/l						
2,4-Dimethylphenol	ND		10	ug/l						
2,4-Dinitrophenol	ND		5	ug/l						
2,4-Dinitrotoluene	ND		2	ug/l						
2,6-Dinitrotoluene	ND		2	ug/l						
2-Chloronaphthalene	ND		2	ug/l						
2-Chlorophenol	ND		2	ug/l						
Nitrobenzene	ND		2	ug/l						
2-Nitrophenol	ND		5	ug/l						
4,6-Dinitro-2-methylphenol	ND		5	ug/l						
4-Bromophenyl phenyl ether	ND		2	ug/l						
4-Chloro-3-methylphenol	ND		2	ug/l						
4-Chlorophenyl phenyl ether	ND		2	ug/l						
4-Nitrophenol	ND		5	ug/l						
Acenaphthene	ND		2	ug/l						
Acenaphthylene	ND		2	ug/l						
Anthracene	ND		2	ug/l						
Benzidine	ND		60	ug/l						
Benzo(a)anthracene	ND		2	ug/l						
Benzo(a)pyrene	ND		2	ug/l						
Benzo(b)fluoranthene	ND		2	ug/l						
Benzo(g,h,i)perylene	ND		2	ug/l						
Benzo(k)fluoranthene	ND		2	ug/l						
Bis(2-chloroethoxy)methane	ND		2	ug/l						
Bis(2-chloroethyl)ether	ND		2	ug/l						
Bis(2-chloroisopropyl)ether	ND		2	ug/l						
Bis(2-ethylhexyl)phthalate	ND		6	ug/l						
Butyl benzyl phthalate	ND		2	ug/l						
Chrysene	ND		2	ug/l						
Di(n)octyl phthalate	ND		3	ug/l						
Dibenz(a,h)anthracene	ND		2	ug/l						
Diethyl phthalate	ND		2	ug/l						
Dimethyl phthalate	ND		2	ug/l						
Di-n-butylphthalate	ND		3	ug/l						
Fluoranthene	ND		2	ug/l						
Fluorene	ND		2	ug/l						
Hexachlorobenzene	ND		2	ug/l						
Hexachlorobutadiene	ND		2	ug/l						
Hexachlorocyclopentadiene	ND		5	ug/l						
Hexachloroethane	ND		2	ug/l						
Indeno(1,2,3-cd)pyrene	ND		2	ug/l						
Isophorone	ND		2	ug/l						
Naphthalene	ND		2	ug/l						
N-Nitrosodimethylamine	ND		2	ug/l						
N-Nitrosodi-n-propylamine	ND		2	ug/l						
N-Nitrosodiphenylamine	ND		2	ug/l						
Pentachlorophenol	ND		5	ug/l						

Quality Control
(Continued)

Base/Neutral & Acid Extractables (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0258 - Sep-Funnel-extraction (Continued)										
Blank (B1F0258-BLK1)					Date Analyzed: 06/08/21					
Phenanthrene	ND		2	ug/l						
Pyrene	ND		2	ug/l						
Surrogate: Nitrobenzene-d5			*47.3*	ug/l	*50.0*		*94.6*	*30-118*		
Surrogate: p-Terphenyl-d14			*64.3*	ug/l	*50.0*		*129*	*38-130*		
Surrogate: 2-Fluorobiphenyl			*46.4*	ug/l	*50.0*		*92.7*	*30-119*		
Surrogate: Phenol-d6			*7.62*	ug/l	*50.0*		*15.2*	*10-115*		
Surrogate: 2,4,6-Tribromophenol			*35.0*	ug/l	*50.0*		*70.0*	*15-130*		
Surrogate: 2-Fluorophenol			*9.30*	ug/l	*50.0*		*18.6*	*10-115*		

New England Testing Laboratory
59 Greenhill Street
West Warwick, RI 02893
(401) 353-3420

1 F 0 3046 E

Chain of Custody Record

Project No. | **Project Name/Location: Rockland IPP**

Client: Town of Rockland Sewer Department

Report To: rick.kotouch@suez.com

Invoice To: P.O. Box 330, Rockland, MA 02370

Date	Time	Comp	Grab	Sample I.D.	Matrix: Aqueous	Matrix: Soil	Matrix: Other	No. of Containers	Preservative	Tests**: Total Metals: As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn, (200.7/245.1)	SVOC (method 625)	VOC (method 624)	Cyanide 4500 CN-C,E				
6/2-6/3/2021	0730-0730	X		Final Effluent - Composite	X			1P	HNO3	X							
6/2-6/3/2021	0730-0730	X		Final Effluent - Composite	X			2AG	NP		X						
6/2/2021	1200		X	Final Effluent - Grab	X			2V	H2S			X					
6/2/2021	1200		X	Final Effluent - Grab	X			1P	NAOH				X				
6/2/2021	1200		X	Final Effluent - Grab	X			1P	HNO3	X							

Sampled By:	Date/Time	Received By:	Date/Time	Laboratory Remarks:	Special Instructions: **PLEASE INVOICE THE TOWN OF ROCKLAND SEWER DEPT.**
	6/3/21 740		6/3/21 1245		
Relinquished By:	**Date/Time**	**Received By:**	**Date/Time**		
	6/3/21 1245		6/3/21 1245	Temp. Received:	

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: **5 Days**

6/3/21 1650 6-3-21 1650

RAW

New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 1F03048
Client Project: Synagro

Report Date: 11-June-2021

Prepared for:

Rick Kotouch
Town of Rockland Sewer Department
587 R Summer Street
Rockland, MA 02370

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
rich.warila@newenglandtesting.com

Total # of Pages: 17

Samples Submitted:

The samples listed below were submitted to New England Testing Laboratory on 06/03/21. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 1F03048. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled
1F03048-01	Raw Influent - Composite	Water	06/02/2021
1F03048-02	Raw Influent - Grab	Water	06/01/2021

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

Raw Influent - Composite

Acid Base/Neutral Extractables	EPA 625.1
Arsenic	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Copper	EPA 200.8
Nickel	EPA 200.8
Lead	EPA 200.8
Zinc	EPA 200.8
Mercury	EPA 245.1
Silver	EPA 200.8

Raw Influent - Grab

Arsenic	EPA 200.8
Cyanide	SM4500-CN-E (11)
Cadmium	EPA 200.8
Chromium	EPA 200.8
Copper	EPA 200.8
Nickel	EPA 200.8
Lead	EPA 200.8
Zinc	EPA 200.8
Mercury	EPA 245.1
Volatile Organic Compounds	EPA 624.1
Acrolein, Acrylonitrile & 2-CEVE	EPA 624.1
Silver	EPA 200.8

The analytical methods provided are documented in the following references:

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.
Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF.
40 CFR 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act*, Office of Federal Register National Archives and Records Administration.

Results:

Sample: Raw Influent - Composite
1F03048-01 (Water)

Total Metals

	Result	Reporting Limit	Units	Date Analyzed
Silver	ND	0.0001	mg/L	06/09/21
Arsenic	**0.0006**	0.0001	mg/L	06/09/21
Cadmium	**0.0002**	0.0001	mg/L	06/09/21
Chromium	**0.0006**	0.0001	mg/L	06/09/21
Copper	**0.020**	0.001	mg/l	06/09/21
Nickel	**0.002**	0.001	mg/l	06/09/21
Lead	**0.0019**	0.0001	mg/L	06/09/21
Zinc	**0.076**	0.001	mg/l	06/09/21
Mercury	ND	0.0002	mg/L	06/09/21

Base/Neutral & Acid Extractables

	Result	Reporting Limit	Units	Date Analyzed
1,2,4-Trichlorobenzene	ND	2	ug/l	06/08/21
1,2-Dichlorobenzene	ND	2	ug/l	06/08/21
1,3-Dichlorobenzene	ND	2	ug/l	06/08/21
1,4-Dichlorobenzene	ND	2	ug/l	06/08/21
Phenol	ND	2	ug/l	06/08/21
2,4,6-Trichlorophenol	ND	2	ug/l	06/08/21
2,4-Dichlorophenol	ND	2	ug/l	06/08/21
2,4-Dimethylphenol	ND	10	ug/l	06/08/21
2,4-Dinitrophenol	ND	5	ug/l	06/08/21
2,4-Dinitrotoluene	ND	2	ug/l	06/08/21
2,6-Dinitrotoluene	ND	2	ug/l	06/08/21
2-Chloronaphthalene	ND	2	ug/l	06/08/21
2-Chlorophenol	ND	2	ug/l	06/08/21
Nitrobenzene	ND	2	ug/l	06/08/21
2-Nitrophenol	ND	5	ug/l	06/08/21
4,6-Dinitro-2-methylphenol	ND	5	ug/l	06/08/21
4-Bromophenyl phenyl ether	ND	2	ug/l	06/08/21
4-Chloro-3-methylphenol	ND	2	ug/l	06/08/21
4-Chlorophenyl phenyl ether	ND	2	ug/l	06/08/21
4-Nitrophenol	ND	5	ug/l	06/08/21
Acenaphthene	ND	2	ug/l	06/08/21
Acenaphthylene	ND	2	ug/l	06/08/21
Anthracene	ND	2	ug/l	06/08/21
Benzidine	ND	60	ug/l	06/08/21
Benzo(a)anthracene	ND	2	ug/l	06/08/21

Sample: Raw Influent - Composite (Continued)
1F03048-01 (Water)

Base/Neutral & Acid Extractables (Continued)

	Result	Reporting Limit	Units	Date Analyzed
Benzo(a)pyrene	ND	2	ug/l	06/08/21
Benzo(b)fluoranthene	ND	2	ug/l	06/08/21
Benzo(g,h,i)perylene	ND	2	ug/l	06/08/21
Benzo(k)fluoranthene	ND	2	ug/l	06/08/21
Bis(2-chloroethoxy)methane	ND	2	ug/l	06/08/21
Bis(2-chloroethyl)ether	ND	2	ug/l	06/08/21
Bis(2-chloroisopropyl)ether	ND	2	ug/l	06/08/21
Bis(2-ethylhexyl)phthalate	ND	6	ug/l	06/08/21
Butyl benzyl phthalate	ND	2	ug/l	06/08/21
Chrysene	ND	2	ug/l	06/08/21
Di(n)octyl phthalate	ND	3	ug/l	06/08/21
Dibenz(a,h)anthracene	ND	2	ug/l	06/08/21
Diethyl phthalate	ND	2	ug/l	06/08/21
Dimethyl phthalate	ND	2	ug/l	06/08/21
Di-n-butylphthalate	ND	3	ug/l	06/08/21
Fluoranthene	ND	2	ug/l	06/08/21
Fluorene	ND	2	ug/l	06/08/21
Hexachlorobenzene	ND	2	ug/l	06/08/21
Hexachlorobutadiene	ND	2	ug/l	06/08/21
Hexachlorocyclopentadiene	ND	5	ug/l	06/08/21
Hexachloroethane	ND	2	ug/l	06/08/21
Indeno(1,2,3-cd)pyrene	ND	2	ug/l	06/08/21
Isophorone	ND	2	ug/l	06/08/21
Naphthalene	ND	2	ug/l	06/08/21
N-Nitrosodimethylamine	ND	2	ug/l	06/08/21
N-Nitrosodi-n-propylamine	ND	2	ug/l	06/08/21
N-Nitrosodiphenylamine	ND	2	ug/l	06/08/21
Pentachlorophenol	ND	5	ug/l	06/08/21
Phenanthrene	ND	2	ug/l	06/08/21
Pyrene	ND	2	ug/l	06/08/21

Surrogate(s)	Recovery%	Limits	
Nitrobenzene-d5	*70.1%*	*30-118*	06/08/21
p-Terphenyl-d14	*109%*	*38-130*	06/08/21
2-Fluorobiphenyl	*71.9%*	*30-119*	06/08/21
Phenol-d6	*10.0%*	*10-115*	06/08/21
2,4,6-Tribromophenol	*52.5%*	*15-130*	06/08/21
2-Fluorophenol	*11.4%*	*10-115*	06/08/21

Sample: Raw Influent - Grab
1F03048-02 (Water)

General Chemistry

	Result	Reporting Limit	Units	Date Analyzed
Cyanide	ND	0.010	mg/L	06/08/21

Total Metals

	Result	Reporting Limit	Units	Date Analyzed
Silver	ND	0.0001	mg/L	06/09/21
Arsenic	**0.0005**	0.0001	mg/L	06/09/21
Cadmium	**0.0001**	0.0001	mg/L	06/09/21
Chromium	**0.0007**	0.0001	mg/L	06/09/21
Copper	**0.017**	0.001	mg/l	06/09/21
Nickel	**0.002**	0.001	mg/l	06/09/21
Lead	**0.0018**	0.0001	mg/L	06/09/21
Zinc	**0.068**	0.001	mg/l	06/09/21
Mercury	ND	0.0002	mg/L	06/09/21

Sample: Raw Influent - Grab (Continued)
1F03048-02 (Water)

Volatile Organic Compounds

	Result	Reporting Limit	Units	Date Analyzed
Benzene	ND	1	ug/l	06/04/21
Bromodichloromethane	**1**	1	ug/l	06/04/21
Bromoform	ND	1	ug/l	06/04/21
Bromomethane	ND	1	ug/l	06/04/21
Carbon tetrachloride	ND	1	ug/l	06/04/21
Chlorobenzene	ND	1	ug/l	06/04/21
Chloroethane	ND	1	ug/l	06/04/21
Chloroform	**3**	1	ug/l	06/04/21
Chloromethane	ND	1	ug/l	06/04/21
Dibromochloromethane	ND	1	ug/l	06/04/21
1,2-Dichlorobenzene	ND	1	ug/l	06/04/21
1,3-Dichlorobenzene	ND	1	ug/l	06/04/21
1,4-Dichlorobenzene	ND	1	ug/l	06/04/21
1,1-Dichloroethane	ND	1	ug/l	06/04/21
1,2-Dichloroethane	ND	1	ug/l	06/04/21
trans-1,2-Dichloroethene	ND	1	ug/l	06/04/21
1,1-Dichloroethene	ND	1	ug/l	06/04/21
1,2-Dichloropropane	ND	1	ug/l	06/04/21
cis-1,3-Dichloropropene	ND	1	ug/l	06/04/21
trans-1,3-Dichloropropene	ND	1	ug/l	06/04/21
Methylene chloride	ND	5	ug/l	06/04/21
Tetrachloroethene	ND	1	ug/l	06/04/21
Toluene	ND	1	ug/l	06/04/21
1,1,2-Trichloroethane	ND	1	ug/l	06/04/21
1,1,1-Trichloroethane	ND	1	ug/l	06/04/21
Trichloroethene	ND	1	ug/l	06/04/21
Vinyl chloride	ND	1	ug/l	06/04/21
1,1,2,2-Tetrachloroethane	ND	1	ug/l	06/04/21
Trichlorofluoromethane	ND	1	ug/l	06/04/21
cis-1,2-Dichloroethene	ND	1	ug/l	06/04/21
o-Xylene	ND	1	ug/l	06/04/21
m&p-Xylene	ND	2	ug/l	06/04/21
Ethylbenzene	ND	1	ug/l	06/04/21

Surrogate(s)	Recovery%	Limits	
4-Bromofluorobenzene	*100%*	*70-130*	06/04/21
1,2-Dichloroethane-d4	*103%*	*70-130*	06/04/21
Toluene-d8	*107%*	*70-130*	06/04/21

Sample: Raw Influent - Grab (Continued)
1F03048-02 (Water)

Volatile Organic Compounds (Acrolein, Acrylonitrile & 2-CEVE)

	Result	Reporting Limit	Units	Date Analyzed
Acrolein	ND	5	ug/l	06/04/21 13:27
Acrylonitrile	ND	5	ug/l	06/04/21 13:27
2-Chloroethylvinyl ether	ND	1	ug/l	06/04/21 13:27

Surrogate(s)	Recovery%	Limits	
4-Bromofluorobenzene	*100%*	*70-130*	06/04/21 13:27
1,2-Dichloroethane-d4	*103%*	*70-130*	06/04/21 13:27
Toluene-d8	*107%*	*70-130*	06/04/21 13:27

Case Narrative

VOC: 'Acrolein', 'Acrylonitrile', and '2-CEVE' were analyzed using the preserved sample provided by the client.

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

All samples were analyzed in accordance with 40 CFR 136 approved methodologies when applicable.

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0389 - Cyanide										
Blank (B1F0389-BLK1)					Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L						
Blank (B1F0389-BLK2)					Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L						
LCS (B1F0389-BS1)					Date Analyzed: 06/08/21					
Cyanide	0.091		0.010	mg/L	0.100		91.0	90-110		
LCS (B1F0389-BS2)					Date Analyzed: 06/08/21					
Cyanide	0.095		0.010	mg/L	0.100		95.0	90-110		
LCS (B1F0389-BS3)					Date Analyzed: 06/08/21					
Cyanide	0.092		0.010	mg/L	0.100		92.0	90-110		
Duplicate (B1F0389-DUP1)			**Source: 1F02028-01**		Date Analyzed: 06/08/21					
Cyanide	ND		0.010	mg/L		ND				200
Matrix Spike (B1F0389-MS1)			**Source: 1F02028-01**		Date Analyzed: 06/08/21					
Cyanide	0.055		0.010	mg/L	0.100	ND	55.0	80-120		

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0335 - Metals Digestion Waters										
Blank (B1F0335-BLK1)					Date Analyzed: 06/09/21					
Cadmium	ND		0.0001	mg/L						
Zinc	ND		0.001	mg/l						
Silver	ND		0.0001	mg/L						
Arsenic	ND		0.0001	mg/L						
Chromium	ND		0.0001	mg/L						
Copper	ND		0.001	mg/l						
Nickel	ND		0.001	mg/l						
Lead	ND		0.0001	mg/L						
LCS (B1F0335-BS2)					Date Analyzed: 06/09/21					
Silver	0.0197		0.0001	mg/L	0.0200		98.5	85-115		
Copper	0.178		0.001	mg/l	0.200		88.9	85-115		
Chromium	0.0202		0.0001	mg/L	0.0200		101	85-115		
Zinc	0.205		0.001	mg/l	0.200		103	85-115		
Cadmium	0.0196		0.0001	mg/L	0.0200		98.1	85-115		
Arsenic	0.0207		0.0001	mg/L	0.0200		103	85-115		
Nickel	0.185		0.001	mg/l	0.200		92.7	85-115		
Lead	0.0196		0.0001	mg/L	0.0200		97.8	85-115		
Batch: B1F0473 - Metals Cold-Vapor Mercury										
Blank (B1F0473-BLK1)					Date Analyzed: 06/09/21					
Mercury	ND		0.0002	mg/L						
LCS (B1F0473-BS1)					Date Analyzed: 06/09/21					
Mercury	0.0010		0.0002	mg/L	0.00100		101	85-115		

Quality Control
(Continued)

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0292 - Purge-Trap										
Blank (B1F0292-BLK1)					Date Analyzed: 06/04/21					
Benzene	ND		1	ug/l						
Bromodichloromethane	ND		1	ug/l						
Bromoform	ND		1	ug/l						
Bromomethane	ND		1	ug/l						
Carbon tetrachloride	ND		1	ug/l						
Chlorobenzene	ND		1	ug/l						
Chloroethane	ND		1	ug/l						
Chloroform	ND		1	ug/l						
Chloromethane	ND		1	ug/l						
Dibromochloromethane	ND		1	ug/l						
1,2-Dichlorobenzene	ND		1	ug/l						
1,3-Dichlorobenzene	ND		1	ug/l						
1,4-Dichlorobenzene	ND		1	ug/l						
1,1-Dichloroethane	ND		1	ug/l						
1,2-Dichloroethane	ND		1	ug/l						
trans-1,2-Dichloroethene	ND		1	ug/l						
1,1-Dichloroethene	ND		1	ug/l						
1,2-Dichloropropane	ND		1	ug/l						
cis-1,3-Dichloropropene	ND		1	ug/l						
trans-1,3-Dichloropropene	ND		1	ug/l						
Methylene chloride	ND		5	ug/l						
Tetrachloroethene	ND		1	ug/l						
Toluene	ND		1	ug/l						
1,1,2-Trichloroethane	ND		1	ug/l						
1,1,1-Trichloroethane	ND		1	ug/l						
Trichloroethene	ND		1	ug/l						
Vinyl chloride	ND		1	ug/l						
1,1,2,2-Tetrachloroethane	ND		1	ug/l						
Trichlorofluoromethane	ND		1	ug/l						
cis-1,2-Dichloroethene	ND		1	ug/l						
o-Xylene	ND		1	ug/l						
m&p-Xylene	ND		2	ug/l						
Ethylbenzene	ND		1	ug/l						
Surrogate: 4-Bromofluorobenzene			*48.7*	ug/l	*50.0*		*97.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*52.3*	ug/l	*50.0*		*105*	*70-130*		
LCS (B1F0292-BS1)					Date Analyzed: 06/04/21					
Benzene	22			ug/l	20.0		110	65-135		
Bromodichloromethane	22			ug/l	20.0		108	65-135		
Bromoform	18			ug/l	20.0		89.2	70-130		
Bromomethane	26			ug/l	20.0		128	15-185		
Carbon tetrachloride	22			ug/l	20.0		112	70-130		
Chlorobenzene	19			ug/l	20.0		96.2	65-135		
Chloroethane	16			ug/l	20.0		78.2	40-160		
Chloroform	22			ug/l	20.0		110	70-135		
Chloromethane	25			ug/l	20.0		123	1-205		
Dibromochloromethane	23			ug/l	20.0		116	70-135		
1,2-Dichlorobenzene	18			ug/l	20.0		91.0	65-135		
1,3-Dichlorobenzene	18			ug/l	20.0		91.8	70-130		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0292 - Purge-Trap (Continued)										
LCS (B1F0292-BS1)					Date Analyzed: 06/04/21					
1,4-Dichlorobenzene	18			ug/l	20.0		91.0	65-135		
1,1-Dichloroethane	22			ug/l	20.0		108	70-130		
1,2-Dichloroethane	22			ug/l	20.0		110	70-130		
trans-1,2-Dichloroethene	22			ug/l	20.0		112	70-130		
1,1-Dichloroethene	21			ug/l	20.0		106	50-150		
1,2-Dichloropropane	22			ug/l	20.0		112	35-165		
cis-1,3-Dichloropropene	23			ug/l	20.0		115	25-175		
trans-1,3-Dichloropropene	23			ug/l	20.0		113	50-150		
Methylene chloride	28			ug/l	20.0		138	60-140		
Tetrachloroethene	24			ug/l	20.0		120	70-130		
Toluene	22			ug/l	20.0		111	70-130		
1,1,2-Trichloroethane	22			ug/l	20.0		112	70-130		
1,1,1-Trichloroethane	22			ug/l	20.0		112	70-130		
Trichloroethene	21			ug/l	20.0		105	65-135		
Vinyl chloride	25			ug/l	20.0		127	5-195		
1,1,2,2-Tetrachloroethane	19			ug/l	20.0		93.2	60-140		
Trichlorofluoromethane	20			ug/l	20.0		100	50-150		
cis-1,2-Dichloroethene	24			ug/l	20.0		118	70-130		
o-Xylene	20			ug/l	20.0		98.4	70-130		
m&p-Xylene	38			ug/l	40.0		94.7	70-130		
Ethylbenzene	19			ug/l	20.0		93.7	60-140		
Surrogate: 4-Bromofluorobenzene			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*54.4*	ug/l	*50.0*		*109*	*70-130*		
Surrogate: Toluene-d8			*52.6*	ug/l	*50.0*		*105*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Acrolein, Acrylonitrile & 2-CEVE)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0291 - Purge-Trap										
Blank (B1F0291-BLK1)					Date Analyzed: 06/04/21					
Acrolein	ND		5	ug/l						
Acrylonitrile	ND		5	ug/l						
2-Chloroethylvinyl ether	ND		1	ug/l						
Surrogate: 4-Bromofluorobenzene			*48.7*	ug/l	*50.0*		*97.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.9*	ug/l	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*52.3*	ug/l	*50.0*		*105*	*70-130*		
LCS (B1F0291-BS1)					Date Analyzed: 06/04/21					
Acrylonitrile	19			ug/l	20.0		96.6	60-140		
Acrolein	24			ug/l	20.0		118	60-140		
2-Chloroethylvinyl ether	23			ug/l	20.0		115	1-225		
Surrogate: 4-Bromofluorobenzene			*50.0*	ug/l	*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*54.0*	ug/l	*50.0*		*108*	*70-130*		
Surrogate: Toluene-d8			*53.2*	ug/l	*50.0*		*106*	*70-130*		

Quality Control
(Continued)

Base/Neutral & Acid Extractables

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0258 - Sep-Funnel-extraction										
Blank (B1F0258-BLK1)					Date Analyzed: 06/08/21					
1,2,4-Trichlorobenzene	ND		2	ug/l						
1,2-Dichlorobenzene	ND		2	ug/l						
1,3-Dichlorobenzene	ND		2	ug/l						
1,4-Dichlorobenzene	ND		2	ug/l						
Phenol	ND		2	ug/l						
2,4,6-Trichlorophenol	ND		2	ug/l						
2,4-Dichlorophenol	ND		2	ug/l						
2,4-Dimethylphenol	ND		10	ug/l						
2,4-Dinitrophenol	ND		5	ug/l						
2,4-Dinitrotoluene	ND		2	ug/l						
2,6-Dinitrotoluene	ND		2	ug/l						
2-Chloronaphthalene	ND		2	ug/l						
2-Chlorophenol	ND		2	ug/l						
Nitrobenzene	ND		2	ug/l						
2-Nitrophenol	ND		5	ug/l						
4,6-Dinitro-2-methylphenol	ND		5	ug/l						
4-Bromophenyl phenyl ether	ND		2	ug/l						
4-Chloro-3-methylphenol	ND		2	ug/l						
4-Chlorophenyl phenyl ether	ND		2	ug/l						
4-Nitrophenol	ND		5	ug/l						
Acenaphthene	ND		2	ug/l						
Acenaphthylene	ND		2	ug/l						
Anthracene	ND		2	ug/l						
Benzidine	ND		60	ug/l						
Benzo(a)anthracene	ND		2	ug/l						
Benzo(a)pyrene	ND		2	ug/l						
Benzo(b)fluoranthene	ND		2	ug/l						
Benzo(g,h,i)perylene	ND		2	ug/l						
Benzo(k)fluoranthene	ND		2	ug/l						
Bis(2-chloroethoxy)methane	ND		2	ug/l						
Bis(2-chloroethyl)ether	ND		2	ug/l						
Bis(2-chloroisopropyl)ether	ND		2	ug/l						
Bis(2-ethylhexyl)phthalate	ND		6	ug/l						
Butyl benzyl phthalate	ND		2	ug/l						
Chrysene	ND		2	ug/l						
Di(n)octyl phthalate	ND		3	ug/l						
Dibenz(a,h)anthracene	ND		2	ug/l						
Diethyl phthalate	ND		2	ug/l						
Dimethyl phthalate	ND		2	ug/l						
Di-n-butylphthalate	ND		3	ug/l						
Fluoranthene	ND		2	ug/l						
Fluorene	ND		2	ug/l						
Hexachlorobenzene	ND		2	ug/l						
Hexachlorobutadiene	ND		2	ug/l						
Hexachlorocyclopentadiene	ND		5	ug/l						
Hexachloroethane	ND		2	ug/l						
Indeno(1,2,3-cd)pyrene	ND		2	ug/l						
Isophorone	ND		2	ug/l						
Naphthalene	ND		2	ug/l						
N-Nitrosodimethylamine	ND		2	ug/l						
N-Nitrosodi-n-propylamine	ND		2	ug/l						
N-Nitrosodiphenylamine	ND		2	ug/l						
Pentachlorophenol	ND		5	ug/l						

Quality Control
(Continued)

Base/Neutral & Acid Extractables (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B1F0258 - Sep-Funnel-extraction (Continued)										
Blank (B1F0258-BLK1)					Date Analyzed: 06/08/21					
Phenanthrene	ND		2	ug/l						
Pyrene	ND		2	ug/l						
Surrogate: Nitrobenzene-d5			*47.3*	ug/l	*50.0*		*94.6*	*30-118*		
Surrogate: p-Terphenyl-d14			*64.3*	ug/l	*50.0*		*129*	*38-130*		
Surrogate: 2-Fluorobiphenyl			*46.4*	ug/l	*50.0*		*92.7*	*30-119*		
Surrogate: Phenol-d6			*7.62*	ug/l	*50.0*		*15.2*	*10-115*		
Surrogate: 2,4,6-Tribromophenol			*35.0*	ug/l	*50.0*		*70.0*	*15-130*		
Surrogate: 2-Fluorophenol			*9.30*	ug/l	*50.0*		*18.6*	*10-115*		

New England Testing Laboratory
59 Greenhill Street
West Warwick, RI 02893
(401) 353-3420

1 F 0 3048 Q

Chain of Custody Record

Project No. | Project Name/Location: Rockland IPP

Client: Town of Rockland Sewer Department

Report To: rick.kotouch@suez.com

Invoice To: P.O. Box 330, Rockland, MA 02370

Date	Time	Comp	Grab	Sample I.D.	Matrix: Aqueous	Matrix: Soil	Matrix: Other	No. of Containers	Preservative	Tests**: Total Metals: As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn, (200.7/245.1)	SVOC (method 625)	VOC (method 624)	Cyanide 4500 CN-C,E				
6/1-6/2/2021	0725-0725	X		Raw Influent - Composite	X			1P	HNO3	X							
6/1-6/2/2021	0725-0725	X		Raw Influent - Composite	X			2AG	NP		X						
6/1/2021	1200		X	Raw Influent - Grab	X			2V	H2S			X					
6/1/2021	1200		X	Raw Influent - Grab	X			1P	NAOH				X				
6/1/2021	1200		X	Raw Influent - Grab	X			1P	HNO3	X							

Sampled By:	Date/Time	Received By:	Date/Time	Laboratory Remarks:	Special Instructions: PLEASE INVOICE THE TOWN OF ROCKLAND SEWER DEPT.
	6/1/21 7:35		6/3/21 1245		
Relinquished By:	Date/Time	Received By:	Date/Time	Temp. Received:	
	6/3/21 1245		6/3/21 1245		

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: 5 Days

6/3/21 1650 6-3-21 1645

QF