

Service Request No:R1806808

Ms. Alene Onion New York State DEC 625 Broadway Albany, NY 12233-3502

Laboratory Results for: LCI 2018

Dear Ms.Onion,

Enclosed are the results of the sample(s) submitted to our laboratory July 19, 2018 For your reference, these analyses have been assigned our service request number **R1806808**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger Project Manager

Jamankson

CC: Jason Fagel



Narrative Documents

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



Client: New York State DEC Service Request: R1806808

Project: LCI 2018 Date Received: 07/19/2018

Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV, validation deliverables including all summary forms and associated raw data. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Ten water samples were received for analysis at ALS Environmental on 07/19/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

General Chemistry:

No significant anomalies were noted with this analysis.

	Jaman Son
Approved by	<u> </u>

Date	08/13/2018	
Date	UO/ 13/ZU 10	



mg/L

351.2

0.10

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LHB135		Lal	D: R1806	808-001		
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	128		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0539		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	3.7	011 0100 110 111g/ E				SM 5310 C-2000 (2011)
Chlorophyll A	1.94			0.073	ug/L	SM20 10200 H
Color, True	60.0	60.0 5.0 ColorUnits SM 2				
Nitrate+Nitrite as Nitrogen	0.232		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.46		80.0	0.10	mg/L	351.2
pH of Color Analysis	8.06				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0506		0.0020	0.0050	mg/L	365.1
CLIENT ID: 18LHB135 Diss		Lal	D: R1806	808-002		
Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0314		0.0020	0.0050	mg/L	365.1
CLIENT ID: 18LHB136		Lal	D: R1806	808-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	0.224		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	4.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	65.0			5.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.128		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.69		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.75				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.158		0.010	0.025	mg/L	365.1
CLIENT ID: 18LHB136 Diss		Lal	D: R1806	808-004		
Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0609		0.0020	0.0050	mg/L	365.1
CLIENT ID: 18LHB113		Lal	D: R1806	808-005		
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	118		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0080		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	6.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	27.8			1.6	ug/L	SM20 10200 H
Color, True	85.0			5.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0026		0.0007	0.0020	mg/L	353.2

80.0

0.67

Nitrogen, Total Kjeldahl (TKN)



SAMPLE DETECTION SUMMARY

CLIENT ID: 18LHB113		Lak	ID: R1806	808-005							
Analyte	Results	Flag	MDL	MRL	Units	Method					
pH of Color Analysis	7.95				pH Units	SM 2120 B-2001 (2011)					
Phosphorus, Total	0.0833		0.0020	0.0050	mg/L 365.1						
CLIENT ID: 18LHB113 Diss		Lab ID: R1806808-006									
Analyte	Results	Flag	MDL	MRL	Units	Method					
Phosphorus, Dissolved	0.0294		0.0020	0.0050	mg/L	365.1					
CLIENT ID: 18LHB137		Lak	D: R1806	808-007							
Analyte	Results	Flag	MDL	MRL	Units	Method					
Alkalinity, Total as CaCO3	44.0		1.0	2.0	mg/L	SM 2320 B-1997 (2011)					
Ammonia as Nitrogen, undistilled	0.0081		0.0008	0.0050	mg/L	ASTM D6919-09					
Carbon, Total Organic (TOC)	3.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)					
Chlorophyll A	2.47			0.080	ug/L	SM20 10200 H					
Color, True	28.0			1.0	ColorUnits	SM 2120 B-2001 (2011)					
Nitrogen, Total Kjeldahl (TKN)	0.39		0.08	0.10	mg/L	351.2					
pH of Color Analysis	7.80				pH Units	SM 2120 B-2001 (2011)					
Phosphorus, Total	0.0163		0.0020	0.0050	mg/L	365.1					
A==											
CLIENT ID: 18LHB137 Diss		Lab	D: R1806	808-008							
CLIENT ID: 18LHB137 Diss Analyte	Results	Flag	MDL MDL	808-008 MRL	Units	Method					
	Results 0.0101				Units mg/L	Method 365.1					
Analyte		Flag	MDL	MRL 0.0050							
Analyte Phosphorus, Dissolved		Flag	MDL 0.0020	MRL 0.0050		365.1					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131	0.0101	Flag Lat	MDL 0.0020 DID: R1806	MRL 0.0050 8808-009	mg/L	365.1					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte	0.0101 Results	Flag Lat	MDL 0.0020 DID: R1806 MDL	MRL 0.0050 8808-009 MRL	mg/L Units	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3	0.0101 Results 44.0	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0	MRL 0.0050 6808-009 MRL 2.0	mg/L Units mg/L	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011)					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled	0.0101 Results 44.0 0.148	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0 0.0008	MRL 0.0050 8808-009 MRL 2.0 0.0050	mg/L Units mg/L mg/L	Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC)	0.0101 Results 44.0 0.148 12.5	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0 0.0008	MRL 0.0050 6808-009 MRL 2.0 0.0050 1.0	mg/L Units mg/L mg/L mg/L	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011)					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A	0.0101 Results 44.0 0.148 12.5 148	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0 0.0008	MRL 0.0050 6808-009 MRL 2.0 0.0050 1.0 6.4	mg/L Units mg/L mg/L mg/L ug/L	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A Color, True	0.0101 Results 44.0 0.148 12.5 148 210	Flag Lat	MDL 0.0020 DE: R1806 MDL 1.0 0.0008 0.05	MRL 0.0050 6808-009 MRL 2.0 0.0050 1.0 6.4 10	mg/L Units mg/L mg/L mg/L ug/L ColorUnits	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001 (2011) 353.2 351.2					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A Color, True Nitrate+Nitrite as Nitrogen	0.0101 Results 44.0 0.148 12.5 148 210 0.0112	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0 0.0008 0.05	MRL 0.0050 6808-009 MRL 2.0 0.0050 1.0 6.4 10 0.0020	mg/L Units mg/L mg/L mg/L ug/L ColorUnits mg/L	Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001 (2011) 353.2					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A Color, True Nitrate+Nitrite as Nitrogen Nitrogen, Total Kjeldahl (TKN)	0.0101 Results 44.0 0.148 12.5 148 210 0.0112 2.53	Flag Lat	MDL 0.0020 DID: R1806 MDL 1.0 0.0008 0.05	MRL 0.0050 6808-009 MRL 2.0 0.0050 1.0 6.4 10 0.0020	mg/L Units mg/L mg/L mg/L colorUnits mg/L mg/L	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001 (2011) 353.2 351.2 SM 2120 B-2001					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A Color, True Nitrate+Nitrite as Nitrogen Nitrogen, Total Kjeldahl (TKN) pH of Color Analysis	0.0101 Results 44.0 0.148 12.5 148 210 0.0112 2.53 7.85	Flag Lak Flag	MDL 0.0020 DID: R1806 MDL 1.0 0.0008 0.05	MRL 0.0050 8808-009 MRL 2.0 0.0050 1.0 6.4 10 0.0020 0.10	mg/L Units mg/L mg/L mg/L ug/L ColorUnits mg/L mg/L pH Units	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001 (2011) 353.2 351.2 SM 2120 B-2001 (2011)					
Analyte Phosphorus, Dissolved CLIENT ID: 18LHB131 Analyte Alkalinity, Total as CaCO3 Ammonia as Nitrogen, undistilled Carbon, Total Organic (TOC) Chlorophyll A Color, True Nitrate+Nitrite as Nitrogen Nitrogen, Total Kjeldahl (TKN) pH of Color Analysis Phosphorus, Total	0.0101 Results 44.0 0.148 12.5 148 210 0.0112 2.53 7.85	Flag Lak Flag	MDL 0.0020 DID: R1806 MDL 1.0 0.0008 0.05	MRL 0.0050 8808-009 MRL 2.0 0.0050 1.0 6.4 10 0.0020 0.10	mg/L Units mg/L mg/L mg/L ug/L ColorUnits mg/L mg/L pH Units	365.1 Method SM 2320 B-1997 (2011) ASTM D6919-09 SM 5310 C-2000 (2011) SM20 10200 H SM 2120 B-2001 (2011) 353.2 351.2 SM 2120 B-2001 (2011)					



Sample Receipt Information

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com

Service Request:R1806808

Client: New York State DEC Project: LCI 2018/LCI2018

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u>	<u>TIME</u>
R1806808-001	18LHB135	7/18/2018	0805
R1806808-002	18LHB135 Diss	7/18/2018	0805
R1806808-003	18LHB136	7/18/2018	0810
R1806808-004	18LHB136 Diss	7/18/2018	0810
R1806808-005	18LHB113	7/18/2018	1010
R1806808-006	18LHB113 Diss	7/18/2018	1010
R1806808-007	18LHB137	7/18/2018	1130
R1806808-008	18LHB137 Diss	7/18/2018	1130
R1806808-009	18LHB131	7/18/2018	1315
R1806808-010	18LHB131 Diss	7/18/2018	1315

CHAIN OF CUSTODY Page \mathcal{I} of \mathcal{I} Project Name: LCI Project Number: LCI2018 NYSDEC SDG: Sampler Collector: Sampler Phone No.: Sampler Signature: 845-216-9575 Lavca m Sara Gonzalez Project Manager: Alene Onion X Report to Project Manager ☐ Bill to Project Manager Bill to: Jason Fagel Report to: Address: 625 Broadway, 4th Floor Address: Address: 625 Broadway, 4th Floor New York State Department of Albany, NY 12233-3502 Albany, NY 12233-3502 **Environmental Conservation –** Phone: (518) 402-8166 Phone: Phone: 518-402-8156 Division of Water Email: alene.onion@dec.ny.gov Email: Email: Jason.fagel@dec.ny.gov **Analyses Ordered (list) Preservative Codes: Matrix Codes:** 0 = Cool to < 6°C 0 2 3 O 0 WW = Wastewater 1 = HCL ANC ANC 2 = HNO₃ GW = Groundwater IP, NH4, NOx, TKN, NO3 × 3 = H,SO. of Containers AW = Ambient Water **Collection Time** 4 ≈ NaOH **Collection Date** SE = Sediment 5 = Zn. Acetate Chlorophyll a | Vol (ml) TP, NH4, NOx, TKN Mg SL = Sludge Code 6 = MeOH 7 = NaHSO4 T = Tissue SO4, CI, UV-254 Dissolved TOP4 Sa SO4 & UV-254 8 = Other O = Other Ca, Mg, Na, K Matrix Fe, Mn, As, Fe, Mn, As, Alkalinity SO4. CL **NYSDEC** Color DOC TOC LCI Sample ID Location Info 18LHB135 8:05 اسرا Wa DDINGET, EPI 500 18LMB136 8:10 AW X 18 LHB 1 13 AW 07/18 10:10 250 Fall Ky 11 X × 186 HB 137 11:30 AW 500 X WilcoxPark RLHB 13 07/18 13:15 AW 폿 250 R1806808 Special Analysis Instructions: Rollinguished by Sampler: Date: Time: Received by: **Laboratory Receipt Notes:** 7/18/18 3:10 Saran Gonzalez 07/18 Relinguished by: Date: Time: 7/18/18 160Q Sample Temp.: Relinguished by: Time: Received by Laboratory; 7/19/1V Time: Properly Preserved: Y / N 0905 Samples Intact: Y / N 8 of 40

(,, 4	5)	Cooler]	Rece	ipt a				n Che	eck F	orm	R New LGI	1806 York State 2018	6808 DEC	3 11 ((11)	5
Project/Clie	ent				Folde	r Nur	nber_				- · <u>∭</u>				
Cooler receiv	ed on	9/11	by: _	<u> </u>	_	COU	RIER:	ALS	UPS	FEDE	X VELO	CITY	CLIE	NT	
1 Were Cu	istody seals or	outside of coole	r?	(N	5a	Perch	nlorate s	samples	have re	quired hea	dspace	?	YN	V (A)
2 Custody	papers prope	rly completed (in	k, sign	ed)?	N	5b	Did \	OA via	is(Alk)	r Sulfic	le have sig	* bubt	oles?	Y	NA
3 Did all b	ottles arrive in	good condition (unbrol	ken)?	(Y) N	6	Wher	e did the	bottles	origina	te?	ALS/F	1000 T	CLIE	NT
_		Ice Gel packs				7	Soil \	/OA rec	eived as	: B	ulk En	core	50358	set (<u> </u>
			,					(CF)	TD#0		Enom	Toma 1	Diank		Io Postl
8. Temperatur		Date: 1/19/	<u>//</u>	lime	: <u>0915</u>		ID:	(R#7)	IR#9		From:	1 emp 1	DIAIIK	Caint	le Bottle
Observed To		2.3													
Correction F															
Corrected To	emp (°C)	2.3													
Temp from:	Type of bottle														
Within 0-6°	C?	Y) N		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
If <0°C, wer	e samples froz	zen? Y N		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
All samples	held in storag	tun Samples:ge location:	R-00	2			1/9	t aware:		off C	lient notif	ied by:			
									19. AK 17.						
Cooler Br	eakdown/Prese	ervation Check**	: Date	• :	F/ 60/18			1540		by	: Dh		.		
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		s acceptable (no				~ \?			Y	ES	NO			N/A	•
		Cassettes / Tubes					Pressur	rized			Bags Infl	ated		N/A	
pH	Lot of test	Reagent	Preser		Lot Rec		110000	Exp	Sampl		Vol		Adde	d	Final
F.~	paper		Yes	No				'	Adjus		Added				рН
≥12	†- 11	NaOH						<u> </u>							
≤2		HNO₃													
≤2	204518	H₂SO₄	V		190647	7		6/19							
<4		NaHSO ₄													
5-9	<u> </u>	For 608pest			No=Noti										
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		ZnAcetate	-	-	ŀ				**VOA	s and 16	54 Not to be	tested be	erore ana	uysis.	

Bottle lot numbers: 8-039-001, 170-117-74AW, 091817-74AW Explain all Discrepancies/ Other Comments:

CLRES BULK DO FLDT **HPROD HGFB** HTR LL3541 PH SUB SO3 MARRS REV ALS

Labels secondary reviewed by: PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm: WC > 1 in. diameter

Otherwise, all bottles of all samples with chemical preservatives

are checked (not just representatives).



Miscellaneous Forms

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the õNotesö column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an õimmediateö hold time criteria.
- # Spike was diluted out.

- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ)

 The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Approved	New Jersey ID # NY004	294100 A/B
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

¹ Analyses were performed according to our laboratory NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alselobal.com/locations/americas/north-america/usa/new-vork/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but

greater than or equal to the MDL.

Client: New York State DEC Service Request: R1806808

Project: LCI 2018/LCI2018

Non-Certified Analytes

Certifying Agency: New York Department of Health

MethodMatrixAnalyteSM20 10200 HWaterChlorophyll A

Analyst Summary report

Client: New York State DEC Service Request: R1806808

Project: LCI 2018/LCI2018

 Sample Name:
 18LHB135
 Date Collected: 07/18/18

 Lab Code:
 R1806808-001
 Date Received: 07/19/18

Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	AFELSER	MROGERSON
ASTM D6919-09		AMOSES
SM 2120 B-2001(2011)		SCYMBAL
SM 2320 B-1997(2011)		CWOODS
SM 5310 C-2000(2011)		CWOODS
SM20 10200 H		NSMITH

 Sample Name:
 18LHB135 Diss
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-002
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis MethodExtracted/Digested ByAnalyzed By365.1AFELSERMROGERSON

 Sample Name:
 18LHB136
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-003
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	AFELSER	MROGERSON
ASTM D6919-09		CWOODS
SM 2120 B-2001(2011)		SCYMBAL
SM 5310 C-2000(2011)		CWOODS

Analyst Summary report

Client: New York State DEC Service Request: R1806808

Project: LCI 2018/LCI2018

 Sample Name:
 18LHB136 Diss
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-004
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis Method Extracted/Digested By Analyzed By

365.1 AFELSER MROGERSON

Sample Name: 18LHB113 Date Collected: 07/18/18

Lab Code: R1806808-005 **Date Received:** 07/19/18

Sample Matrix: Water

SM20 10200 H

Analysis Method Extracted/Digested By Analyzed By

351.2 NSMITH CWOODS

353.2 GNITAJOUPPI

365.1 AFELSER MROGERSON

ASTM D6919-09 AMOSES

SM 2120 B-2001(2011) SCYMBAL

SM 2320 B-1997(2011) CWOODS

SM 5310 C-2000(2011) CWOODS

Sample Name: 18LHB113 Diss Date Collected: 07/18/18

NSMITH

Lab Code: R1806808-006 Date Received: 07/19/18
Sample Matrix: Water

Analysis Method Extracted/Digested By Analyzed By
365.1 AFELSER MROGERSON

Sample Name: 18LHB137 Date Collected: 07/18/18

Lab Code: R1806808-007

Sample Matrix: Water

Date Received: 07/19/18

Analysis Method Extracted/Digested By Analyzed By

NSMITH CWOODS

353.2 GNITAJOUPPI

365.1 AFELSER MROGERSON

Printed 8/13/2018 11:34:38 AM Superset Reference:18-0000474074 rev 00

Analyst Summary report

Client: New York State DEC Service Request: R1806808

Project: LCI 2018/LCI2018

 Sample Name:
 18LHB137
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-007
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
ASTM D6919-09		AMOSES
SM 2120 B-2001(2011)		SCYMBAL
SM 2320 B-1997(2011)		CWOODS
SM 5310 C-2000(2011)		CWOODS
SM20 10200 H		NSMITH

 Sample Name:
 18LHB137 Diss
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-008
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis MethodExtracted/Digested ByAnalyzed By365.1AFELSERMROGERSON

 Sample Name:
 18LHB131
 Date Collected:
 07/18/18

 Lab Code:
 R1806808-009
 Date Received:
 07/19/18

Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	AFELSER	MROGERSON
ASTM D6919-09		AMOSES
SM 2120 B-2001(2011)		SCYMBAL
SM 2320 B-1997(2011)		CWOODS
SM 5310 C-2000(2011)		CWOODS
SM20 10200 H		NSMITH

Analyst Summary report

Client: New York State DEC

Project: LCI 2018/LCI2018

Service Request: R1806808

 Sample Name:
 18LHB131 Diss

 Lab Code:
 R1806808-010

Sample Matrix: Water

Date Collected: 07/18/18

Date Received: 07/19/18

Analysis Method Extracted/Digested By Analyzed By

365.1 AFELSER MROGERSON



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid	9030B
Soluble	
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation
,	Method
6010C	3050B
6020A	3050B
6010C TCLP (1311)	3005A/3010A
extract	
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/	DI extraction
353.2/ SM 2320B/ SM	
5210B/ 9056A Anions	

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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General Chemistry

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Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Sample Name: 18LHB135

Lab Code: R1806808-001

Service Request: R1806808

Date Collected: 07/18/18 08:05

Date Received: 07/19/18 09:05

Basis: NA

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	128	mg/L	2.0	1	07/27/18 17:11	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0539	mg/L	0.0050	1	07/26/18 10:38	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	3.7	mg/L	1.0	1	07/27/18 12:42	NA	
Chlorophyll A	SM20 10200 H	1.94	ug/L	0.073	1	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	60.0	ColorUnits	5.0	5	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.232	mg/L	0.0020	1	07/31/18 14:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.46	mg/L	0.10	1	08/03/18 13:36	07/31/18	
pH of Color Analysis	SM 2120 B-2001(2011)	8.06	pH Units	-	5	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0506	mg/L	0.0050	1	08/06/18 17:33	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix:

Water

Service Request: R1806808

Date Collected: 07/18/18 08:05

Date Received: 07/19/18 09:05

Sample Name: 18LHB135 Diss Basis: NA

Lab Code: R1806808-002

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0314	mg/L	0.0050	1	08/06/18 16:40	08/01/18	

Analytical Report

Client: New York State DEC

Water

Project:

LCI 2018/LCI2018

18LHB136 Basis: NA

Lab Code: R1806808-003

Sample Matrix:

Sample Name:

Inorganic Parameters

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.224	mg/L	0.0050	1	07/25/18 18:24	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	4.3	mg/L	1.0	1	07/27/18 13:03	NA	
Color, True	SM 2120 B-2001(2011)	65.0	ColorUnits	5.0	5	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.128	mg/L	0.0020	1	07/31/18 14:03	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.69	mg/L	0.10	1	08/03/18 13:36	07/31/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.75	pH Units	-	5	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.158	mg/L	0.025	5	08/06/18 18:59	08/01/18	

Service Request: R1806808 **Date Collected:** 07/18/18 08:10

Date Received: 07/19/18 09:05

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Water

Sample Name: Lab Code: 18LHB136 Diss R1806808-004 Service Request: R1806808

Date Collected: 07/18/18 08:10

Date Received: 07/19/18 09:05

Basis: NA

Inorganic Parameters

Analysis

Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0609	mg/L	0.0050	1	08/06/18 16:41	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Sample Name:

18LHB113 Basis: NA

Lab Code: R1806808-005

Inorganic Parameters

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	118	mg/L	2.0	1	07/27/18 17:17	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0080	mg/L	0.0050	1	07/26/18 10:54	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	6.3	mg/L	1.0	1	07/27/18 14:06	NA	
Chlorophyll A	SM20 10200 H	27.8	ug/L	1.6	10	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	85.0	ColorUnits	5.0	5	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0026	mg/L	0.0020	1	07/31/18 14:04	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.67	mg/L	0.10	1	08/03/18 13:37	07/31/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.95	pH Units	-	5	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0833	mg/L	0.0050	1	08/06/18 17:35	08/01/18	

Service Request: R1806808

Date Collected: 07/18/18 10:10

Date Received: 07/19/18 09:05

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix:

Water

Service Request: R1806808

Date Collected: 07/18/18 10:10

Date Received: 07/19/18 09:05

Sample Name: 18LHB113 Diss

Lab Code: R1806808-006

Basis: NA

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0294	mg/L	0.0050	1	08/06/18 16:42	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Service Request: R1806808 **Date Collected:** 07/18/18 11:30 **Date Received:** 07/19/18 09:05

Sample Matrix: Water

Sample Name: 18LHB137 **Lab Code:** R1806808-007

Basis: NA

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	44.0	mg/L	2.0	1	07/27/18 17:22	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0081	mg/L	0.0050	1	07/26/18 11:10	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	3.3	mg/L	1.0	1	07/27/18 14:27	NA	
Chlorophyll A	SM20 10200 H	2.47	ug/L	0.080	1	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	28.0	ColorUnits	1.0	1	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	07/31/18 14:05	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.39	mg/L	0.10	1	08/03/18 13:38	07/31/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.80	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0163	mg/L	0.0050	1	08/06/18 17:36	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix:

Water

Service Request: R1806808

Date Collected: 07/18/18 11:30

Date Received: 07/19/18 09:05

Sample Name: 18LHB137 Diss

Lab Code: R1806808-008

Basis: NA

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus Dissolved	365.1	0.0101	mg/I	0.0050	1	08/06/18 16:44	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Sample Name: 18LHB131

Lab Code: R1806808-009

Service Request: R1806808

Date Collected: 07/18/18 13:15

Date Received: 07/19/18 09:05

Basis: NA

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	44.0	mg/L	2.0	1	07/27/18 17:27	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.148	mg/L	0.0050	1	07/26/18 11:26	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	12.5	mg/L	1.0	1	07/27/18 14:48	NA	
Chlorophyll A	SM20 10200 H	148	ug/L	6.4	40	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	210	ColorUnits	10	10	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0112	mg/L	0.0020	1	07/31/18 14:07	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	2.53	mg/L	0.10	1	08/03/18 13:39	07/31/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.85	pH Units	-	10	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.136	mg/L	0.025	5	08/06/18 19:00	08/01/18	

Analytical Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix:

Water

Service Request: R1806808

Date Collected: 07/18/18 13:15

Date Received: 07/19/18 09:05

Sample Name: 18LHB131 Diss Lab Code:

R1806808-010

Basis: NA

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0342	mg/L	0.0050	1	08/06/18 16:50	08/01/18	



QC Summary Forms

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Analytical Report

Client: New York State DEC Service Request: R1806808

Project:LCI 2018/LCI2018Date Collected:NASample Matrix:WaterDate Received:NA

•

Sample Name: Method Blank Basis: NA
Lab Code: R1806808-MB1

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	07/27/18 15:45	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	07/25/18 17:04	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	07/27/18 09:03	NA	
Chlorophyll A	SM20 10200 H	0.40 U	ug/L	0.40	1	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	07/19/18 10:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	07/31/18 13:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10 U	mg/L	0.10	1	08/03/18 13:26	07/31/18	
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/06/18 16:10	08/01/18	
Phosphorus, Total	365.1	0.0050 U	mg/L	0.0050	1	08/06/18 17:22	08/01/18	

Analytical Report

Client: New York State DEC Service Request: R1806808

Project: LCI 2018/LCI2018

Date Collected: NA

Project: NA

Project: NA

Project: NA

Project: NA

Sample Matrix: Water Date Received: NA

Sample Name: Method Blank Basis: NA

Lab Code: R1806808-MB2

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	07/26/18 05:54	NA	
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/06/18 16:45	08/01/18	

QA/QC Report

Client:New York State DECService Request:R1806808Project:LCI 2018/LCI2018Date Collected:07/18/18Sample Matrix:WaterDate Received:07/19/18Date Analyzed:07/25/18

Duplicate Matrix Spike Summary Ammonia as Nitrogen, undistilled

 Sample Name:
 18LHB136
 Units: mg/L

 Lab Code:
 R1806808-003
 Basis: NA

Analysis Method: ASTM D6919-09

Matrix SpikeDuplicate Matrix SpikeR1806808-003MSR1806808-003DMS

	Sample		Spike			Spike		% Rec		RPD	
Analyte Name	Result	Result	Amount	% Rec	Result	Amount	% Rec	Limits	RPD	Limit	
Ammonia as Nitrogen undistilled	0.224	0.708	0.500	97	0.712	0.500	97	75-125	<1	20	•

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client:New York State DECService Request:R1806808Project:LCI 2018/LCI2018Date Collected:07/18/18Sample Matrix:WaterDate Received:07/19/18

Date Analyzed:

07/31/18

Duplicate Matrix Spike Summary Nitrate+Nitrite as Nitrogen

Sample Name: 18LHB131 **Lab Code:** R1806808-009

Units: Basis: mg/L NA

Analysis Method: 353.2

Matrix Spike R1806808-009MS **Duplicate Matrix Spike**

R1806808-009DMS

	Sample		Spike			Spike		% Rec		RPD
Analyte Name	Result	Result	Amount	% Rec	Result	Amount	% Rec	Limits	RPD	Limit
Nitrate+Nitrite as Nitrogen	0.0112	0.456	0.500	89	0.457	0.500	89	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: New York State DEC

New York State DEC

Service Request: R1806808

LCI 2018/LCI2018

Date Collected: 07/18/18

Project LCI 2018/LCI2018
Sample Matrix: Water

Date Received: 07/19/18 **Date Analyzed:** 07/19/18

Replicate Sample Summary General Chemistry Parameters

Sample Name: 18LHB113 Units: ColorUnits

Lab Code: R1806808-005 **Basis:** NA

Duplicate Sample R1806808-

Sample 005DUP

Analyte Name Analysis Method MRL Result Result Average RPD RPD Limit

Color, True SM 2120 B-2001(2011) 5.0 85.0 85.0 85.0 <1 5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: New York State DEC

Service Request: R1806808

Project LCI 2018/LCI2018

Date Collected: 07/18/18 **Date Received:** 07/19/18

Sample Matrix: Water

Date Analyzed: 07/21/18

Replicate Sample Summary General Chemistry Parameters

Sample Name:

18LHB113

Units: pH Units

Lab Code:

R1806808-005

Basis: NA

Duplicate Sample

R1806808-

005DUP

Analyte Name Analysis Method pH of Color Analysis SM 2120 B-2001(2011)

MRL

Sample Result

Result 7.95

ı

Average 7.95 PD RPD Limit

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Service Request: R1806808

Date Analyzed: 07/25/18 - 08/06/18

Lab Control Sample Summary General Chemistry Parameters

Units:mg/L Basis:NA

Lab Control Sample

R1806808-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	18.0	20.0	90	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.481	0.500	96	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.1	10.0	101	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.481	0.500	96	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.45	2.50	98	70-130
Phosphorus, Dissolved	365.1	0.0241	0.0250	96	70-130
Phosphorus, Total	365.1	0.0244	0.0250	98	70-130

QA/QC Report

Client: New York State DEC

Project: LCI 2018/LCI2018

Sample Matrix: Water

Service Request: R1806808

Date Analyzed: 07/26/18 - 08/06/18

Lab Control Sample Summary General Chemistry Parameters

Units:mg/L Basis:NA

Lab Control Sample

R1806808-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.485	0.500	97	70-130
Phosphorus, Dissolved	365.1	0.0249	0.0250	99	70-130