August 31, 2018 Service Request No:R1807630

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

Laboratory Results for: LCI

Dear Ms.Onion,

Enclosed are the results of the sample(s) submitted to our laboratory August 10, 2018
For your reference, these analyses have been assigned our service request number **R1807630.**

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

CC: Jason Fagel

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

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

ALS Environmental

Client: New York State DEC
Project: LCI
Sample Matrix: Water

Service Request: R1807630
Date Received: 08/10/2018

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:

Twenty six water samples were received for analysis at ALS Environmental on 08/10/2018. 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.

Approved by _____ Date 08/31/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LIS003			Lab ID: R1807630-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	39.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0597		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	3.1		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	25.4			1.6	ug/L	SM20 10200 H
Color, True	19.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.959		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.88		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.79				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0519		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS063			Lab ID: R1807630-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	25.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0109		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	2.9		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	21.2			0.80	ug/L	SM20 10200 H
Color, True	22.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	2.50		0.0013	0.0040	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.50		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.53				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0154		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS067			Lab ID: R1807630-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	5.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0165		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	16.4		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	29.3			1.6	ug/L	SM20 10200 H
Color, True	51.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0021		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.64		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.54				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.63		0.04	0.10	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LIS067 Diss			Lab ID: R1807630-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.52		0.04	0.10	mg/L	365.1

CLIENT ID: 18LIS065			Lab ID: R1807630-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	4.0		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0170		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	7.9		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	9.06			0.80	ug/L	SM20 10200 H
Color, True	31.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.70		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.96				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0217		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS065 Diss			Lab ID: R1807630-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0064		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS096			Lab ID: R1807630-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	4.8		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0165		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	17.7		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	35.4			1.6	ug/L	SM20 10200 H
Color, True	50.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	1.71		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.87				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.60		0.04	0.10	mg/L	365.1

CLIENT ID: 18LIS096 Diss			Lab ID: R1807630-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.51		0.04	0.10	mg/L	365.1

CLIENT ID: 18LIS064			Lab ID: R1807630-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	13.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0057		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	8.0		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	20.5			1.6	ug/L	SM20 10200 H

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LIS064			Lab ID: R1807630-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Color, True	160			10	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0063		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.72		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.09				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0649		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS064 Diss			Lab ID: R1807630-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0311		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS095			Lab ID: R1807630-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	1.5		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	12.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0126		0.0007	0.0020	mg/L	353.2
pH of Color Analysis	6.20				pH Units	SM 2120 B-2001 (2011)

CLIENT ID: 18LIS066			Lab ID: R1807630-015			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ammonia as Nitrogen, undistilled	1.86		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	7.2		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	46.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0092		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	2.34		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.91				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.450		0.020	0.050	mg/L	365.1

CLIENT ID: 18LIS066 Diss			Lab ID: R1807630-016			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.42		0.04	0.10	mg/L	365.1

CLIENT ID: 18LIS039			Lab ID: R1807630-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	9.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0457		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	9.7		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	5.53			0.64	ug/L	SM20 10200 H
Color, True	210			10	ColorUnits	SM 2120 B-2001 (2011)

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LIS039			Lab ID: R1807630-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Nitrate+Nitrite as Nitrogen	0.0216		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.21		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.74				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0811		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS039 Diss			Lab ID: R1807630-018			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0163		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS045			Lab ID: R1807630-019			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	32.8		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0107		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	3.4		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	24.3			1.6	ug/L	SM20 10200 H
Color, True	36.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.390		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.53		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.93				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0386		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS045 Diss			Lab ID: R1807630-020			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0099		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS061			Lab ID: R1807630-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	15.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0256		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	3.0		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	71.8			3.2	ug/L	SM20 10200 H
Color, True	31.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	1.07		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.11		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.16				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0452		0.0020	0.0050	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18LIS061 Diss			Lab ID: R1807630-022			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0070		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18ILIS027			Lab ID: R1807630-023			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	30.0		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0624		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	2.0		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	6.16			0.64	ug/L	SM20 10200 H
Color, True	26.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	2.76		0.004	0.010	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.42		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.16				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0287		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS027 Diss			Lab ID: R1807630-024			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0084		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS017			Lab ID: R1807630-025			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	4.4		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.119		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	23.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	7.22			0.64	ug/L	SM20 10200 H
Color, True	1000			50	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0355		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.46		0.08	0.10	mg/L	351.2
pH of Color Analysis	6.78				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0999		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18LIS017 Diss			Lab ID: R1807630-026			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0575		0.0020	0.0050	mg/L	365.1

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

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1807630-001	18LIS003	8/6/2018	1210
R1807630-002	18LIS003 Diss	8/6/2018	1210
R1807630-003	18LIS063	8/6/2018	1445
R1807630-004	18LIS063 Diss	8/6/2018	1445
R1807630-005	18LIS067	8/7/2018	0815
R1807630-006	18LIS067 Diss	8/7/2018	0815
R1807630-007	18LIS065	8/7/2018	0945
R1807630-008	18LIS065 Diss	8/7/2018	0945
R1807630-009	18LIS096	8/7/2018	0815
R1807630-010	18LIS096 Diss	8/7/2018	0815
R1807630-011	18LIS064	8/7/2018	1220
R1807630-012	18LIS064 Diss	8/7/2018	1220
R1807630-013	18LIS095	8/7/2018	0950
R1807630-014	18LIS095 Diss	8/7/2018	0950
R1807630-015	18LIS066	8/7/2018	0950
R1807630-016	18LIS066 Diss	8/7/2018	0950
R1807630-017	18LIS039	8/7/2018	1345
R1807630-018	18LIS039 Diss	8/7/2018	1345
R1807630-019	18LIS045	8/8/2018	1150
R1807630-020	18LIS045 Diss	8/8/2018	1150
R1807630-021	18LIS061	8/8/2018	1007
R1807630-022	18LIS061 Diss	8/8/2018	1007
R1807630-023	18lLIS027	8/8/2018	0845
R1807630-024	18LIS027 Diss	8/8/2018	0845
R1807630-025	18LIS017	8/7/2018	1727
R1807630-026	18LIS017 Diss	8/7/2018	1727

CHAIN OF CUSTODY

Page 1 of 2

New York State Department of Environmental Conservation – Division of Water

Project Name: LCI	**Project Number:** LCI2018	**NYSDEC SDG:**	
Sampler Collector: Jesse Keltz	**Sampler Signature:**	**Sampler Phone No.:** 914-960-0033	
Project Manager: Alene Onion	**X Report to Project Manager**	**☐ Bill to Project Manager**	
Address: 625 Broadway, 4th Floor Albany, NY 12233-3502	**Report to:** **Address:**	**Bill to:** Jason Fagel **Address:** 625 Broadway, 4th Floor Albany, NY 12233-3502	
Phone: (518) 402-8166	**Phone:**	**Phone:** 518-402-8156	
Email: alene.onion@dec.ny.gov	**Email:**	**Email:** Jason.fagel@dec.ny.gov	

Matrix Codes: WW = Wastewater; GW = Groundwater; AW = Ambient Water; SE = Sediment; SL = Sludge; T = Tissue; O = Other _____

Preservative Codes: 0 = Cool to < 6°C; 1 = HCL; 2 = HNO_3; 3 = H_2SO_4; 4 = NaOH; 5 = Zn. Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other _____

Analyses Ordered (list)

NYSDEC LCI Sample ID	Collection Date	Collection Time	Matrix Code	No. of Containers	3 TP, NH4, NOx, TKN	3 ANC TP, NH4, NOx, TKN, NO3	3 Dissolved TOP4	2 Fe, Mn, As,	2 ANC Ca, Mg, Na, K	2 Fe, Mn, As, Ca, Mg, Na, K	0 Color	3 TOC	3 ANC DOC	0 Alkalinity	0 SO4 & UV-254	0 ANC SO4, Cl	0 SO4, Cl, UV-254	0 Chlorophyll a Vol (ml)		Location Info
18LIS003	8-6-18	11:10	AW	6	X		X				X	X		X				X	500	Avon Lake
18LIS063	8-6-18	8:45	AW	6	X		X				X	X		X				X	500	Great Pultney
18LIS007	8-7-18	9:15	AW	6	X		X				X	X		X				X	250	Morrisroe
18LIS065	8-7-18	9:45	AW	6	X		X				X	X		X				X	250	Lower Lake
18LIS096	8-7-18	8:15	AW	6	X		X				X	X		X				X	250	Keuka Outlet
18LIS069	8-7-18	11:20	AW	6	X		X				X	X		X				X	250	Forge Pond
18LIS095	8-7-18	9:50	AW	4	X		X				X	X								Blank
18LIS066	8-7-18	9:50	AW	4	X		X				X	X								Lower Hypo
18LIS099	8-7-18	13:45	AW	6	X		X				X	X		X				X	250	Keuka
18LIS245	8-8-18	11:50	AW	6	X		X				X	X		X				X	250	Seneca at mill

Special Analysis Instructions:

	Date:	Time:		Date:	Time:
Relinquished by Sampler: Jesse Keltz	8-8-18	17:15	Received by:	8-8-18	17:15
Relinquished by: Jesse Keltz	8-9-18	9:00	Received by:	8/9/18	900
Relinquished by:	8/9/18	1600	Received by Laboratory:	8-10-18	09:00

Laboratory R R1807630 New York State DEC LCI 5

Sample Temp.: ____ °C

Properly Preserved: Y / N

Samples Intact: Y / N

Samples split in two coolers

CHAIN OF CUSTODY

Page 1 of 2

New York State Department of Environmental Conservation – Division of Water

Project Name: LCI	**Project Number:** LCI2018	**NYSDEC SDG:**	
Sampler Collector: Jesse Kelly	**Sampler Signature:**	**Sampler Phone No.:**	
Project Manager: Alene Onion	**X Report to Project Manager** **Report to:**	**☐ Bill to Project Manager** **Bill to:** Jason Fagel	
Address: 625 Broadway, 4th Floor Albany, NY 12233-3502	**Address:**	**Address:** 625 Broadway, 4th Floor Albany, NY 12233-3502	
Phone: (518) 402-8166	**Phone:**	**Phone:** 518-402-8156	
Email: alene.onion@dec.ny.gov	**Email:**	**Email:** Jason.fagel@dec.ny.gov	

Matrix Codes:
- **WW** = Wastewater
- **GW** = Groundwater
- **AW** = Ambient Water
- **SE** = Sediment
- **SL** = Sludge
- **T** = Tissue
- **O** = Other _____

Analyses Ordered (list)

NYSDEC LCI Sample ID	Collection Date	Collection Time	Matrix Code	No. of Containers	3 TP, NH4, NOx, TKN	3 ANC TP, NH4, NOx, TKN, NO3	3 Dissolved TOP4	2 Fe, Mn, As,	2 ANC Ca, Mg, Na, K	Fe, Mn, As, Ca, Mg, Na, K	0 Color	3 TOC	3 ANC DOC	0 Alkalinity	0 SO4 & UV-254	0 ANC SO4, Cl	SO4, Cl, UV-254	0 Chlorophyll a Vol (ml)		Location Info
18LI5061	8-8-18	10:07	AW	6	X		X				X	X		X				X	250	Lower Lily Meadow
18LI5062	8-8-18	8:45	AW	6	X		X				X	X		X				X	250	Main pond/Connecticut SP
18LI5063	8-7-18	17:27	AW	6	X		X				X	X		X				X	250	Moonwalk pond

Preservative Codes:
0 = Cool to < 6°C
1 = HCL
2 = HNO_3
3 = H_2SO_4
4 = NaOH
5 = Zn. Acetate
6 = MeOH
7 = NaHSO4
8 = Other_____

Special Analysis Instructions:

R1807630 5
New York State DEC LCI

	Date:	Time:		Date:	Time:	
Relinquished by Sampler: Jesse Kelly	8-8-18	17:15	Received by: Refrigerator	8-8-18	17:15	Laboratory Receipt Notes:
Relinquished by:	8-9-18	9:02	Received by:	8/9/18	900 AM	Sample Temp.: ____°C
Relinquished by:	8/9/18	1600	Received by Laboratory:	8-10-18	09:00	Properly Preserved: Y / N
						Samples Intact: Y / N

Cooler Receipt and Preservation Check Form

R1807630 5
New York State DEC
LCI

Project/Client NYSDEC-LCI Folder Number

Cooler received on 8-10-18 by: RE

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y)	N
2	**Custody papers** properly completed (ink, signed)?	(Y)	N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y)	N
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y)	N

5a	**Perchlorate** samples have required headspace?	Y	N	(NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y	N	(NA)
6	Where did the bottles originate?	(ALS/ROC)	CLIENT	
7	Soil VOA received as: Bulk Encore 5035set			(NA)

8. Temperature Readings Date: 8-10-18 Time: 09:06 ID: (IR#7) IR#9 From: (Temp Blank) (Sample Bottle)

Observed Temp (°C)	2.1	2.0					
Correction Factor (°C)	+1.0	+0.3					
Corrected Temp (°C)	3.1	2.3					
Temp from:Type of bottle	Cent tube	Voa vials					
Within 0-6°C?	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location F-05/R-002 by RE on 8/10/18 at 09:14
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 8/13/18 Time: 1608 by: SR

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? YES (NO)*
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2	204518	H_2SO_4	✓		190647	7/19				
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 8116-03, 81217-01, 8-077-001

Explain all Discrepancies/ Other Comments:
* Incorrect IDs on locations: 18LIS061 and 18LIS069. Those locations should've been, as per C.O.C,: 18LIS064 and 18LIS061, respectfully. Was able to label locations based on sample time.

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

Labels secondary reviewed by: SR
PC Secondary Review: MM 8/17/18

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

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 ñNotesò 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 ñimmediateò 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 (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Approved	New Jersey ID # NY004	
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 laboratoryôs 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.alsglobal.com/locations/americas/north-america/usa/new-york/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:** R1807630
Project: LCI/LCI2018

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
SM20 10200 H	Water	Chlorophyll A

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS003 **Date Collected:** 08/6/18
Lab Code: R1807630-001 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS003 Diss **Date Collected:** 08/6/18
Lab Code: R1807630-002 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS063 **Date Collected:** 08/6/18
Lab Code: R1807630-003 **Date Received:** 08/10/18
Sample Matrix: Water

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

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS063 Diss **Date Collected:** 08/6/18
Lab Code: R1807630-004 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS067 **Date Collected:** 08/7/18
Lab Code: R1807630-005 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS067 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-006 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS065 **Date Collected:** 08/7/18
Lab Code: R1807630-007 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	KWONG	GNITAJOUPPI

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS065 **Date Collected:** 08/7/18
Lab Code: R1807630-007 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS065 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-008 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS096 **Date Collected:** 08/7/18
Lab Code: R1807630-009 **Date Received:** 08/10/18
Sample Matrix: Water

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

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS096 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-010 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS064 **Date Collected:** 08/7/18
Lab Code: R1807630-011 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS064 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-012 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS095 **Date Collected:** 08/7/18
Lab Code: R1807630-013 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	KWONG	JMISIUREWICZ

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS095 **Date Collected:** 08/7/18
Lab Code: R1807630-013 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
ASTM D6919-09		BKALKMAN
SM 2120 B-2001(2011)		SCYMBAL
SM 5310 C-2000(2011)		CWOODS

Sample Name: 18LIS095 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-014 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS066 **Date Collected:** 08/7/18
Lab Code: R1807630-015 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS066 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-016 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS039 **Date Collected:** 08/7/18
Lab Code: R1807630-017 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS039 Diss **Date Collected:** 08/7/18
Lab Code: R1807630-018 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS045 **Date Collected:** 08/8/18
Lab Code: R1807630-019 **Date Received:** 08/10/18
Sample Matrix: Water

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

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18LIS045 Diss **Date Collected:** 08/8/18
Lab Code: R1807630-020 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS061 **Date Collected:** 08/8/18
Lab Code: R1807630-021 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS061 Diss **Date Collected:** 08/8/18
Lab Code: R1807630-022 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18lLIS027 **Date Collected:** 08/8/18
Lab Code: R1807630-023 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	KWONG	JMISIUREWICZ

Client: New York State DEC **Service Request:** R1807630
Project: LCI/LCI2018

Sample Name: 18lLIS027 **Date Collected:** 08/8/18
Lab Code: R1807630-023 **Date Received:** 08/10/18
Sample Matrix: Water

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

Sample Name: 18LIS027 Diss **Date Collected:** 08/8/18
Lab Code: R1807630-024 **Date Received:** 08/10/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18LIS017 **Date Collected:** 08/7/18
Lab Code: R1807630-025 **Date Received:** 08/10/18
Sample Matrix: Water

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

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018		

Sample Name:	18LIS017 Diss	**Date Collected:**	08/7/18
Lab Code:	R1807630-026	**Date Received:**	08/10/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

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 Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

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

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

Sample Results

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

General Chemistry

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

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/06/18 12:10
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS003	**Basis:**	NA
Lab Code:	R1807630-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**39.6**	mg/L	2.0	1	08/15/18 19:50	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0597**	mg/L	0.0050	1	08/22/18 22:24	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**3.1**	mg/L	1.0	1	08/16/18 19:19	NA	
Chlorophyll A	SM20 10200 H	**25.4**	ug/L	1.6	20	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**19.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.959**	mg/L	0.0020	1	08/29/18 18:11	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.88**	mg/L	0.10	1	08/30/18 13:58	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.79**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0519**	mg/L	0.0050	1	08/27/18 17:18	08/23/18	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/06/18 12:10
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS003 Diss	**Basis:**	NA
Lab Code:	R1807630-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/27/18 12:45	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/06/18 14:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS063	**Basis:**	NA
Lab Code:	R1807630-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**25.6**	mg/L	2.0	1	08/15/18 19:55	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0109**	mg/L	0.0050	1	08/22/18 22:40	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**2.9**	mg/L	1.0	1	08/16/18 19:40	NA	
Chlorophyll A	SM20 10200 H	**21.2**	ug/L	0.80	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**22.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**2.50**	mg/L	0.0040	2	08/29/18 18:45	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.50**	mg/L	0.10	1	08/30/18 13:59	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.53**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0154**	mg/L	0.0050	1	08/27/18 17:19	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/06/18 14:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS063 Diss	**Basis:**	NA
Lab Code:	R1807630-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/27/18 12:48	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 08:15
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS067	**Basis:**	NA
Lab Code:	R1807630-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**5.2**	mg/L	2.0	1	08/15/18 19:58	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0165**	mg/L	0.0050	1	08/22/18 22:56	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**16.4**	mg/L	1.0	1	08/16/18 20:01	NA	
Chlorophyll A	SM20 10200 H	**29.3**	ug/L	1.6	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**51.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0021**	mg/L	0.0020	1	08/29/18 18:14	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.64**	mg/L	0.10	1	08/30/18 14:00	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.54**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.63**	mg/L	0.10	20	08/27/18 17:30	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 08:15
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS067 Diss	**Basis:**	NA
Lab Code:	R1807630-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.52**	mg/L	0.10	20	08/27/18 14:22	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS065	**Basis:**	NA
Lab Code:	R1807630-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**4.0**	mg/L	2.0	1	08/15/18 20:02	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0170**	mg/L	0.0050	1	08/22/18 23:12	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**7.9**	mg/L	1.0	1	08/16/18 21:46	NA	
Chlorophyll A	SM20 10200 H	**9.06**	ug/L	0.80	5	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**31.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 18:15	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.70**	mg/L	0.10	1	08/30/18 14:01	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.96**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0217**	mg/L	0.0050	1	08/27/18 17:21	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS065 Diss	**Basis:**	NA
Lab Code:	R1807630-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0064**	mg/L	0.0050	1	08/27/18 12:51	08/21/18	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 08:15
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS096	**Basis:**	NA
Lab Code:	R1807630-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**4.8**	mg/L	2.0	1	08/15/18 20:05	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0165**	mg/L	0.0050	1	08/23/18 01:05	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**17.7**	mg/L	1.0	1	08/16/18 22:48	NA	
Chlorophyll A	SM20 10200 H	**35.4**	ug/L	1.6	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**50.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 18:19	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.71**	mg/L	0.10	1	08/30/18 14:01	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.87**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.60**	mg/L	0.10	20	08/27/18 17:31	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 08:15
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS096 Diss	**Basis:**	NA
Lab Code:	R1807630-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.51**	mg/L	0.10	20	08/27/18 14:23	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 12:20
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS064	**Basis:**	NA
Lab Code:	R1807630-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**13.2**	mg/L	2.0	1	08/15/18 20:10	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0057**	mg/L	0.0050	1	08/23/18 01:21	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**8.0**	mg/L	1.0	1	08/16/18 23:09	NA	
Chlorophyll A	SM20 10200 H	**20.5**	ug/L	1.6	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**160**	ColorUnits	10	10	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0063**	mg/L	0.0020	1	08/29/18 18:20	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.72**	mg/L	0.10	1	08/30/18 14:02	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.09**	pH Units	-	10	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0649**	mg/L	0.0050	1	08/28/18 19:10	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 12:20
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS064 Diss	**Basis:**	NA
Lab Code:	R1807630-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0311**	mg/L	0.0050	1	08/27/18 12:55	08/21/18	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS095	**Basis:**	NA
Lab Code:	R1807630-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	08/23/18 01:37	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.5**		mg/L	1.0	1	08/16/18 23:30	NA	
Color, True	SM 2120 B-2001(2011)	**12.0**		ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0126**		mg/L	0.0020	1	08/29/18 18:22	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10	U	mg/L	0.10	1	08/30/18 14:03	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.20**		pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0050	U	mg/L	0.0050	1	08/28/18 19:16	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS095 Diss	**Basis:**	NA
Lab Code:	R1807630-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/27/18 12:56	08/21/18	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS066	**Basis:**	NA
Lab Code:	R1807630-015		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**1.86**	mg/L	0.0050	1	08/23/18 01:53	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**7.2**	mg/L	1.0	1	08/16/18 23:51	NA	
Color, True	SM 2120 B-2001(2011)	**46.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0092**	mg/L	0.0020	1	08/29/18 18:23	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**2.34**	mg/L	0.10	1	08/30/18 14:03	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.91**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.450**	mg/L	0.050	10	08/28/18 19:17	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 09:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS066 Diss	**Basis:**	NA
Lab Code:	R1807630-016		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.42**	mg/L	0.10	20	08/27/18 14:24	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 13:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS039	**Basis:**	NA
Lab Code:	R1807630-017		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**9.2**	mg/L	2.0	1	08/15/18 20:13	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0457**	mg/L	0.0050	1	08/23/18 02:09	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**9.7**	mg/L	1.0	1	08/17/18 00:12	NA	
Chlorophyll A	SM20 10200 H	**5.53**	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**210**	ColorUnits	10	10	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0216**	mg/L	0.0020	1	08/29/18 18:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.21**	mg/L	0.10	1	08/30/18 14:04	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.74**	pH Units	-	10	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0811**	mg/L	0.0050	1	08/28/18 19:18	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 13:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS039 Diss	**Basis:**	NA
Lab Code:	R1807630-018		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0163**	mg/L	0.0050	1	08/27/18 12:58	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 11:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS045	**Basis:**	NA
Lab Code:	R1807630-019		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**32.8**	mg/L	2.0	1	08/15/18 20:18	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0107**	mg/L	0.0050	1	08/23/18 02:25	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**3.4**	mg/L	1.0	1	08/17/18 00:33	NA	
Chlorophyll A	SM20 10200 H	**24.3**	ug/L	1.6	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**36.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.390**	mg/L	0.0020	1	08/29/18 18:26	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.53**	mg/L	0.10	1	08/30/18 14:06	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.93**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0386**	mg/L	0.0050	1	08/28/18 19:19	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 11:50
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS045 Diss	**Basis:**	NA
Lab Code:	R1807630-020		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0099**	mg/L	0.0050	1	08/27/18 13:02	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 10:07
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS061	**Basis:**	NA
Lab Code:	R1807630-021		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**15.6**	mg/L	2.0	1	08/15/18 20:22	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0256**	mg/L	0.0050	1	08/23/18 02:41	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**3.0**	mg/L	1.0	1	08/17/18 00:53	NA	
Chlorophyll A	SM20 10200 H	**71.8**	ug/L	3.2	20	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**31.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**1.07**	mg/L	0.0020	1	08/29/18 18:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.11**	mg/L	0.10	1	08/30/18 14:07	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.16**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0452**	mg/L	0.0050	1	08/28/18 19:20	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 10:07
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS061 Diss	**Basis:**	NA
Lab Code:	R1807630-022		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0070**	mg/L	0.0050	1	08/27/18 13:03	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 08:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18lLIS027	**Basis:**	NA
Lab Code:	R1807630-023		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**30.0**	mg/L	2.0	1	08/15/18 20:35	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0624**	mg/L	0.0050	1	08/23/18 02:57	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**2.0**	mg/L	1.0	1	08/17/18 01:14	NA	
Chlorophyll A	SM20 10200 H	**6.16**	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**26.0**	ColorUnits	1.0	1	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**2.76**	mg/L	0.010	5	08/29/18 19:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.42**	mg/L	0.10	1	08/30/18 14:08	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.16**	pH Units	-	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0287**	mg/L	0.0050	1	08/28/18 19:21	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/08/18 08:45
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS027 Diss	**Basis:**	NA
Lab Code:	R1807630-024		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0084**	mg/L	0.0050	1	08/27/18 13:04	08/21/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 17:27
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS017	**Basis:**	NA
Lab Code:	R1807630-025		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**4.4**	mg/L	2.0	1	08/15/18 20:39	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.119**	mg/L	0.0050	1	08/23/18 04:01	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**23.3**	mg/L	1.0	1	08/17/18 01:35	NA	
Chlorophyll A	SM20 10200 H	**7.22**	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**1000**	ColorUnits	50	50	08/11/18 08:45	NA	*
Nitrate+Nitrite as Nitrogen	353.2	**0.0355**	mg/L	0.0020	1	08/29/18 18:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.46**	mg/L	0.10	1	08/30/18 14:08	08/29/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.78**	pH Units	-	50	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	**0.0999**	mg/L	0.0050	1	08/28/18 19:23	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18 17:27
Sample Matrix:	Water	**Date Received:**	08/10/18 09:00
Sample Name:	18LIS017 Diss	**Basis:**	NA
Lab Code:	R1807630-026		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0575**	mg/L	0.0050	1	08/27/18 13:05	08/21/18	

QC Summary 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

General Chemistry

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www.alsglobal.com

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1807630-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	U	mg/L	2.0	1	08/15/18 18:45	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	08/22/18 18:07	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	08/16/18 09:21	NA	
Chlorophyll A	SM20 10200 H	0.40	U	ug/L	0.40	1	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	**1.0**		ColorUnits	1.0	1	08/11/18 08:45	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	08/29/18 17:31	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10	U	mg/L	0.10	1	08/30/18 13:49	08/29/18	
Phosphorus, Dissolved	365.1	0.0050	U	mg/L	0.0050	1	08/27/18 12:29	08/21/18	
Phosphorus, Total	365.1	0.0050	U	mg/L	0.0050	1	08/27/18 16:47	08/23/18	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1807630-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	08/23/18 00:32	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	08/16/18 18:16	NA	
Chlorophyll A	SM20 10200 H	0.40	U	ug/L	0.40	1	08/25/18 12:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	08/29/18 18:34	NA	
Phosphorus, Total	365.1	0.0050	U	mg/L	0.0050	1	08/28/18 19:07	08/23/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1807630-MB3		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 19:07	

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18
Sample Matrix:	Water	**Date Received:**	08/10/18
		Date Analyzed:	08/27/18
		Date Extracted:	08/21/18

Duplicate Matrix Spike Summary
Phosphorus, Dissolved

Sample Name:	18LIS065 Diss	**Units:**	mg/L
Lab Code:	R1807630-008	**Basis:**	NA
Analysis Method:	365.1		
Prep Method:	Method		

		Matrix Spike R1807630-008MS			Duplicate Matrix Spike R1807630-008DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phosphorus, Dissolved	0.0064	0.0286	0.0250	89	0.0286	0.0250	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.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	New York State DEC	**Service Request:**	R1807630
Project:	LCI/LCI2018	**Date Collected:**	08/07/18
Sample Matrix:	Water	**Date Received:**	08/10/18
		Date Analyzed:	08/28/18
		Date Extracted:	08/23/18

Duplicate Matrix Spike Summary
Phosphorus, Total

Sample Name:	18LIS064	**Units:**	mg/L
Lab Code:	R1807630-011	**Basis:**	NA
Analysis Method:	365.1		
Prep Method:	Method		

		Matrix Spike			Duplicate Matrix Spike					
		R1807630-011MS			R1807630-011DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phosphorus, Total	0.0649	0.0874	0.0250	90	0.0883	0.0250	93	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.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	New York State DEC	**Service Request:**	R1807630
Project	LCI/LCI2018	**Date Collected:**	08/07/18
Sample Matrix:	Water	**Date Received:**	08/10/18
		Date Analyzed:	08/11/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	18LIS096	**Units:**	ColorUnits
Lab Code:	R1807630-009	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1807630-009DUP Result	Average	RPD	RPD Limit
Color, True	SM 2120 B-2001(2011)	1.0	50.0	50.0	50.0	<1	5

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

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QA/QC Report

Client:	New York State DEC	**Service Request:**	R1807630
Project	LCI/LCI2018	**Date Collected:**	08/07/18
Sample Matrix:	Water	**Date Received:**	08/10/18
		Date Analyzed:	08/11/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	18LIS096	**Units:**	pH Units
Lab Code:	R1807630-009	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1807630-009DUP Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	6.87	6.86	6.87	<1	20

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

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

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: New York State DEC
Project: LCI/LCI2018
Sample Matrix: Water

Service Request: R1807630
Date Analyzed: 08/15/18 - 08/30/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807630-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	18.4	20.0	92	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.483	0.500	97	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	9.83	10.0	98	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.515	0.500	103	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.50	2.50	100	70-130
Phosphorus, Dissolved	365.1	0.0236	0.0250	94	70-130
Phosphorus, Total	365.1	0.0230	0.0250	92	70-130

Client: New York State DEC
Project: LCI/LCI2018
Sample Matrix: Water

Service Request: R1807630
Date Analyzed: 08/16/18 - 08/29/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807630-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.495	0.500	99	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.8	10.0	108	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.519	0.500	104	70-130
Phosphorus, Total	365.1	0.0241	0.0250	97	70-130

Client: New York State DEC
Project: LCI/LCI2018
Sample Matrix: Water

Service Request: R1807630
Date Analyzed: 08/29/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807630-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Nitrate+Nitrite as Nitrogen	353.2	0.519	0.500	104	70-130