July 02, 2018 Service Request No:R1805600

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 June 14, 2018
For your reference, these analyses have been assigned our service request number **R1805600.**

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
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ALS Environmental

Client: New York State DEC
Project: LCI 2018
Sample Matrix: Water

Service Request: R1805600
Date Received: 06/14/2018

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 two water samples were received for analysis at ALS Environmental on 06/14/2018. 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 07/02/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG011			Lab ID: R1805600-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	192		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0427		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	6.4		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	2.66			0.16	ug/L	SM20 10200 H
Color, True	31.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.109		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.76		0.08	0.10	mg/L	351.2
pH of Color Analysis	8.00				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0249		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG011 Diss			Lab ID: R1805600-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0092		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG007			Lab ID: R1805600-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	151		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0123		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	7.5		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	7.55			0.32	ug/L	SM20 10200 H
Color, True	39.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0040		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.00		0.08	0.10	mg/L	351.2
pH of Color Analysis	8.11				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0285		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG007 Diss			Lab ID: R1805600-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0143		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG001			Lab ID: R1805600-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	41.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0066		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	8.2		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	10.6			0.32	ug/L	SM20 10200 H
Color, True	100			5.0	ColorUnits	SM 2120 B-2001 (2011)

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG001	Lab ID: R1805600-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Nitrate+Nitrite as Nitrogen	0.0040		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.75		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.57				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0222		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG001 Diss	Lab ID: R1805600-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0113		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG003	Lab ID: R1805600-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	53.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0093		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	9.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	56.8			1.6	ug/L	SM20 10200 H
Color, True	210			10	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0094		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.14		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.58				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0646		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG003 Diss	Lab ID: R1805600-008					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0317		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG009	Lab ID: R1805600-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	33.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	7.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	3.42			0.16	ug/L	SM20 10200 H
Color, True	32.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.62		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.69				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0163		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG009 Diss	Lab ID: R1805600-010					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0129		0.0020	0.0050	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG005			Lab ID: R1805600-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	15.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	4.8		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	2.41			0.16	ug/L	SM20 10200 H
Color, True	24.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.45		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.56				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0079		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG005 Diss			Lab ID: R1805600-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0074		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG006			Lab ID: R1805600-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ammonia as Nitrogen, undistilled	0.772		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	6.1		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	43.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0024		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.98		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.16				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.147		0.004	0.010	mg/L	365.1

CLIENT ID: 18CMG006 Diss			Lab ID: R1805600-014			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0603		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG013			Lab ID: R1805600-015			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	35.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	5.8		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	3.95			0.16	ug/L	SM20 10200 H
Color, True	33.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.68		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.79				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0202		0.0020	0.0050	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG013 Diss			Lab ID: R1805600-016			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0144		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG015			Lab ID: R1805600-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	126		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	5.7		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	2.64			0.16	ug/L	SM20 10200 H
Color, True	27.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.54		0.08	0.10	mg/L	351.2
pH of Color Analysis	8.01				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0145		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG015 Diss			Lab ID: R1805600-018			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0074		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG016			Lab ID: R1805600-019			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ammonia as Nitrogen, undistilled	0.295		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	5.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	37.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0059		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.25		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.78				pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.128		0.004	0.010	mg/L	365.1

CLIENT ID: 18CMG016 Diss			Lab ID: R1805600-020			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0935		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG999			Lab ID: R1805600-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ammonia as Nitrogen, undistilled	0.294		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	5.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	38.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0050		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.22		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.76				pH Units	SM 2120 B-2001 (2011)

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG999			Lab ID: R1805600-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Total	0.133		0.008	0.020	mg/L	365.1

CLIENT ID: 18CMG999 Diss			Lab ID: R1805600-022			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phosphorus, Dissolved	0.0180		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
R1805600-001	18CMG011	6/12/2018	1216
R1805600-002	18CMG011 Diss	6/12/2018	1216
R1805600-003	18CMG007	6/12/2018	1325
R1805600-004	18CMG007 Diss	6/12/2018	1325
R1805600-005	18CMG001	6/12/2018	1455
R1805600-006	18CMG001 Diss	6/12/2018	1455
R1805600-007	18CMG003	6/12/2018	1651
R1805600-008	18CMG003 Diss	6/12/2018	1651
R1805600-009	18CMG009	6/13/2018	0950
R1805600-010	18CMG009 Diss	6/13/2018	0950
R1805600-011	18CMG005	6/13/2018	0810
R1805600-012	18CMG005 Diss	6/13/2018	0810
R1805600-013	18CMG006	6/13/2018	0815
R1805600-014	18CMG006 Diss	6/13/2018	0815
R1805600-015	18CMG013	6/13/2018	1147
R1805600-016	18CMG013 Diss	6/13/2018	1147
R1805600-017	18CMG015	6/13/2018	1306
R1805600-018	18CMG015 Diss	6/13/2018	1306
R1805600-019	18CMG016	6/13/2018	1311
R1805600-020	18CMG016 Diss	6/13/2018	1311
R1805600-021	18CMG999	6/13/2018	1311
R1805600-022	18CMG999 Diss	6/13/2018	1311

CHAIN OF CUSTODY

New York State Department of Environmental Conservation – Division of Water

Project Name: LCI	**Project Number:** LCI ~~2017~~ 2018	**NYSDEC SDG:**
Sampler Collector: Sara Gonzalez	**Sampler Signature:** Sara M. Gonzalez	**Sampler Phone No.:** 845-216-9575
Project Manager: ~~David Newman~~	**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: ~~518-402-8201~~	**Phone:**	**Phone:** 518-402-8156
Email: ~~david.newman~~@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 = $NaHSO_4$; 8 = Other

Analyses Ordered (list)

NYSDEC LCI-Sample-ID	Collection Date	Collection Time	Matrix Code	No. of Containers	3: TP, NH4, NOx, TKN	3: TP, NH4, NOx, TKN, NO3 (ANC)	3: Dissolved TOP4	2: Fe, Mn, As,	2: Ca, Mg, Na, K (ANC)	2: Fe, Mn, As, Ca, Mg, Na, K	0: Color	3: TOC	3: DOC (ANC)	0: Alkalinity	0: SO4 & UV-254	0: SO4, Cl (ANC)	0: SO4, Cl, UV-254	0: Chlorophyll a | Vol (ml)		Location Info
18CMG011	06/12/18	12:16	AW	6	X		X				X	X		X				X	250	Miller P, epi
18CMG007	06/12/18	13:25	AW	6	X		X				X	X		X				X	250	Lowe P, epi
18CMG001	06/12/18	14:55	AW	6	X		X				X	X		X				X	250	Amelia P, epi
18CMG003	06/12/18	16:51	AW	6	X		X				X	X		X				X	250	Birdseye Hollow, epi
18CMG009	06/13/18	9:50	AW	6	X		X				X	X		X				X	250	McCarthy Hills, epi
18CMG005	06/13/18	8:10	AW	6	X		X				X	X		X				X	250	Erwin P, epi
18CMG006	06/13/18	8:15	AW	48	X		X				X	X								Erwin P, hypo
18CMG013	06/13/18	11:47	AW	6	X		X				X	X		X				X	250	Mossy Bank, epi
18CMG015	06/13/18	13:06	AW	6	X		X				X	X		X				X	250	Sanford L, epi
18CMG016	06/13/18	13:11	AW	4	X		X				X	X								Sanford L, hypo

Special Analysis Instructions:

	Date:	Time:	Received by:	Date:	Time:
Relinquished by Sampler: Sara M. Gonzalez	06/13/18	2:40	UPS store		
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Laboratory:	Date: 6/14/18	Time: 0945

Laboratory Receipt Notes: R1805600 5 — New York State DEC LCI 2018

Sample Properly Labeled:

Samples Intact:

CHAIN OF CUSTODY

New York State Department of Environmental Conservation – Division of Water

Project Name: LCI	**Project Number:** LCI~~2017~~ 2018	**NYSDEC SDG:**
Sampler Collector: Sara Gonzalez	**Sampler Signature:**	**Sampler Phone No.:** 845-216-9575
Project Manager: ~~David Newman~~ Scott Kishbaugh	**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: ~~518-402-8201~~	**Phone:**	**Phone:** 518-402-8156
Email: ~~david.newman@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			2			0	3		0				0	
					TP, NH4, NOx, TKN	TP, NH4, NOx, TKN, NO3 (ANC)	Dissolved TOP4	Fe, Mn, As,	Ca, Mg, Na, K (ANC)	Fe, Mn, As, Ca, Mg, Na, K	Color	TOC	DOC (ANC)	Alkalinity	SO4 & UV-254	SO4, Cl (ANC)	SO4, Cl, UV-254	Chlorophyll a | Vol (ml)	
18CMG999	06/13/18	13:11	AW	4	X		X				X	X							Sanford Lake Dup.

Preservative Codes: 0 = Cool to < 6°C; 1 = HCL; 2 = HNO_3; 3 = H_2SO_4; 4 = NaOH; 5 = Zn Acetate; 6 = MeOH; 7 = $NaHSO_4$; 8 = Other

Location Info

R1805600 5
New York State DEC
LCI 2018

Special Analysis Instructions:

Relinquished by Sampler:	**Date:** 06/13/18	**Time:** 2:40 pm	**Received by:** UPS Store	**Date:**	**Time:**	**Laboratory Receipt Notes:**
Relinquished by:	**Date:**	**Time:**	**Received by:**	**Date:**	**Time:**	**Sample Temp.:** ____°C
Relinquished by:	**Date:**	**Time:**	**Received by Laboratory:**	**Date:** 6/14/18	**Time:** 0945	**Properly Preserved:** Y / N **Samples Intact:** Y / N

Cooler Receipt and Preservation Check Form

R1805600 5
New York State DEC
LCI 2018

Project/Client LCF Folder Number

Cooler received on 6/14/18 by: @ **COURIER:** ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, (Air) or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	Y N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 6/14/18 Time: 1035 ID: IR#7 (IR#9) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	11.2						
Correction Factor (°C)	+1.3						
Corrected Temp (°C)	12.5						
Temp from: Type of bottle	cent tube						
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: R-002 by @ on 6/14/18 at 1040
5035 samples placed in storage location: by on at

Cooler Breakdown/Preservation Check**: Date: 6/15/18 Time: 1920 by: dlw

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	✓		181970	7/18				
<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: 09R17-2AA0, 90417-05
Explain all Discrepancies/ Other Comments:

* overpacked coolers

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

Labels secondary reviewed by: dlw
PC Secondary Review: 6/18/18

*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 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 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:** R1805600
Project: LCI 2018/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:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG011 **Date Collected:** 06/12/18
Lab Code: R1805600-001 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Sample Name: 18CMG011 Diss **Date Collected:** 06/12/18
Lab Code: R1805600-002 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG007 **Date Collected:** 06/12/18
Lab Code: R1805600-003 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG007 Diss **Date Collected:** 06/12/18
Lab Code: R1805600-004 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG001 **Date Collected:** 06/12/18
Lab Code: R1805600-005 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Sample Name: 18CMG001 Diss **Date Collected:** 06/12/18
Lab Code: R1805600-006 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG003 **Date Collected:** 06/12/18
Lab Code: R1805600-007 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG003 **Date Collected:** 06/12/18
Lab Code: R1805600-007 **Date Received:** 06/14/18
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		GNITAJOUPPI

Sample Name: 18CMG003 Diss **Date Collected:** 06/12/18
Lab Code: R1805600-008 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG009 **Date Collected:** 06/13/18
Lab Code: R1805600-009 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG009 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-010 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG005 **Date Collected:** 06/13/18
Lab Code: R1805600-011 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Sample Name: 18CMG005 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-012 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG006 **Date Collected:** 06/13/18
Lab Code: R1805600-013 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG006 **Date Collected:** 06/13/18
Lab Code: R1805600-013 **Date Received:** 06/14/18
Sample Matrix: Water

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

Sample Name: 18CMG006 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-014 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG013 **Date Collected:** 06/13/18
Lab Code: R1805600-015 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Sample Name: 18CMG013 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-016 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG015 **Date Collected:** 06/13/18
Lab Code: R1805600-017 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
353.2		MROGERSON
365.1	MROGERSON	KMENGS
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		GNITAJOUPPI

Sample Name: 18CMG015 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-018 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG016 **Date Collected:** 06/13/18
Lab Code: R1805600-019 **Date Received:** 06/14/18
Sample Matrix: Water

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

Client: New York State DEC **Service Request:** R1805600
Project: LCI 2018/LCI2018

Sample Name: 18CMG016 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-020 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

Sample Name: 18CMG999 **Date Collected:** 06/13/18
Lab Code: R1805600-021 **Date Received:** 06/14/18
Sample Matrix: Water

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

Sample Name: 18CMG999 Diss **Date Collected:** 06/13/18
Lab Code: R1805600-022 **Date Received:** 06/14/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
365.1	MROGERSON	KMENGS

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
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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:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 12:16
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG011	**Basis:**	NA
Lab Code:	R1805600-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**192**	mg/L	2.0	1	06/21/18 00:53	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0427**	mg/L	0.0050	1	06/26/18 21:34	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**6.4**	mg/L	1.0	1	06/26/18 04:15	NA	
Chlorophyll A	SM20 10200 H	**2.66**	ug/L	0.16	1	06/18/18 10:00	NA	
Color, True	SM 2120 B-2001(2011)	**31.0**	ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.109**	mg/L	0.0020	1	06/22/18 18:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.76**	mg/L	0.10	1	06/27/18 11:06	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**8.00**	pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0249**	mg/L	0.0050	1	06/27/18 11:50	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 12:16
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG011 Diss	**Basis:**	NA
Lab Code:	R1805600-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0092**	mg/L	0.0050	1	06/27/18 11:34	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 13:25
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG007	**Basis:**	NA
Lab Code:	R1805600-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**151**	mg/L	2.0	1	06/21/18 00:59	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0123**	mg/L	0.0050	1	06/26/18 21:50	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**7.5**	mg/L	1.0	1	06/26/18 04:36	NA	
Chlorophyll A	SM20 10200 H	**7.55**	ug/L	0.32	2	06/18/18 10:00	NA	
Color, True	SM 2120 B-2001(2011)	**39.0**	ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0040**	mg/L	0.0020	1	06/22/18 18:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.00**	mg/L	0.10	1	06/27/18 11:06	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**8.11**	pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0285**	mg/L	0.0050	1	06/27/18 11:52	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 13:25
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG007 Diss	**Basis:**	NA
Lab Code:	R1805600-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0143**	mg/L	0.0050	1	06/27/18 11:35	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 14:55
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG001	**Basis:**	NA
Lab Code:	R1805600-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**41.6**	mg/L	2.0	1	06/21/18 01:13	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0066**	mg/L	0.0050	1	06/26/18 22:06	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**8.2**	mg/L	1.0	1	06/26/18 04:57	NA	
Chlorophyll A	SM20 10200 H	**10.6**	ug/L	0.32	2	06/18/18 10:00	NA	
Color, True	SM 2120 B-2001(2011)	**100**	ColorUnits	5.0	5	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0040**	mg/L	0.0020	1	06/22/18 18:36	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.75**	mg/L	0.10	1	06/27/18 11:07	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.57**	pH Units	-	5	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0222**	mg/L	0.0050	1	06/27/18 11:53	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 14:55
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG001 Diss	**Basis:**	NA
Lab Code:	R1805600-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0113**	mg/L	0.0050	1	06/27/18 11:36	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 16:51
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG003	**Basis:**	NA
Lab Code:	R1805600-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**53.2**	mg/L	2.0	1	06/21/18 01:23	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.0093**	mg/L	0.0050	1	06/26/18 22:22	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**9.6**	mg/L	1.0	1	06/26/18 05:18	NA	
Chlorophyll A	SM20 10200 H	**56.8**	ug/L	1.6	10	06/25/18 09:00	NA	
Color, True	SM 2120 B-2001(2011)	**210**	ColorUnits	10	10	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0094**	mg/L	0.0020	1	06/22/18 18:38	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.14**	mg/L	0.10	1	06/27/18 11:26	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.58**	pH Units	-	10	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0646**	mg/L	0.0050	1	06/27/18 11:54	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/12/18 16:51
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG003 Diss	**Basis:**	NA
Lab Code:	R1805600-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0317**	mg/L	0.0050	1	06/27/18 11:37	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 09:50
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG009	**Basis:**	NA
Lab Code:	R1805600-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**33.6**		mg/L	2.0	1	06/21/18 01:28	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	06/26/18 22:38	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**7.6**		mg/L	1.0	1	06/26/18 05:39	NA	
Chlorophyll A	SM20 10200 H	**3.42**		ug/L	0.16	1	06/25/18 09:00	NA	
Color, True	SM 2120 B-2001(2011)	**32.0**		ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	06/22/18 18:39	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.62**		mg/L	0.10	1	06/27/18 12:36	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.69**		pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0163**		mg/L	0.0050	1	06/27/18 12:19	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 09:50
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG009 Diss	**Basis:**	NA
Lab Code:	R1805600-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0129**	mg/L	0.0050	1	06/27/18 11:38	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 08:10
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG005	**Basis:**	NA
Lab Code:	R1805600-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**15.6**		mg/L	2.0	1	06/21/18 01:32	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	06/27/18 00:14	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**4.8**		mg/L	1.0	1	06/26/18 06:00	NA	
Chlorophyll A	SM20 10200 H	**2.41**		ug/L	0.16	1	06/25/18 09:00	NA	
Color, True	SM 2120 B-2001(2011)	**24.0**		ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	06/22/18 18:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.45**		mg/L	0.10	1	06/27/18 11:28	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.56**		pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0079**		mg/L	0.0050	1	06/27/18 11:58	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 08:10
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG005 Diss	**Basis:**	NA
Lab Code:	R1805600-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0074**	mg/L	0.0050	1	06/27/18 11:39	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 08:15
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG006	**Basis:**	NA
Lab Code:	R1805600-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.772**	mg/L	0.0050	1	06/27/18 00:30	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**6.1**	mg/L	1.0	1	06/26/18 07:02	NA	
Color, True	SM 2120 B-2001(2011)	**43.0**	ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0024**	mg/L	0.0020	1	06/22/18 18:42	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.98**	mg/L	0.10	1	06/27/18 11:29	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.16**	pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.147**	mg/L	0.010	2	06/27/18 12:21	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 08:15
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG006 Diss	**Basis:**	NA
Lab Code:	R1805600-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0603**	mg/L	0.0050	1	06/27/18 11:40	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 11:47
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG013	**Basis:**	NA
Lab Code:	R1805600-015		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**35.2**		mg/L	2.0	1	06/21/18 01:37	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	06/27/18 00:46	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.8**		mg/L	1.0	1	06/26/18 07:23	NA	
Chlorophyll A	SM20 10200 H	**3.95**		ug/L	0.16	1	06/25/18 09:00	NA	
Color, True	SM 2120 B-2001(2011)	**33.0**		ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	06/22/18 18:46	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.68**		mg/L	0.10	1	06/27/18 11:29	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.79**		pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0202**		mg/L	0.0050	1	06/27/18 12:00	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 11:47
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG013 Diss	**Basis:**	NA
Lab Code:	R1805600-016		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0144**	mg/L	0.0050	1	06/27/18 11:44	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:06
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG015	**Basis:**	NA
Lab Code:	R1805600-017		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**126**		mg/L	2.0	1	06/21/18 01:43	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	06/27/18 01:02	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.7**		mg/L	1.0	1	06/26/18 07:44	NA	
Chlorophyll A	SM20 10200 H	**2.64**		ug/L	0.16	1	06/25/18 09:00	NA	
Color, True	SM 2120 B-2001(2011)	**27.0**		ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	06/22/18 18:47	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.54**		mg/L	0.10	1	06/27/18 11:35	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**8.01**		pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.0145**		mg/L	0.0050	1	06/27/18 12:02	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:06
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG015 Diss	**Basis:**	NA
Lab Code:	R1805600-018		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0074**	mg/L	0.0050	1	06/27/18 11:45	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:11
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG016	**Basis:**	NA
Lab Code:	R1805600-019		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.295**	mg/L	0.0050	1	06/27/18 01:18	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.6**	mg/L	1.0	1	06/26/18 08:05	NA	
Color, True	SM 2120 B-2001(2011)	**37.0**	ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0059**	mg/L	0.0020	1	06/22/18 18:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.25**	mg/L	0.10	1	06/27/18 11:37	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.78**	pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.128**	mg/L	0.010	2	06/27/18 12:25	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:11
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG016 Diss	**Basis:**	NA
Lab Code:	R1805600-020		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0935**	mg/L	0.0050	1	06/27/18 11:46	06/25/18	

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:11
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG999	**Basis:**	NA
Lab Code:	R1805600-021		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	**0.294**	mg/L	0.0050	1	06/27/18 01:34	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.6**	mg/L	1.0	1	06/26/18 08:26	NA	
Color, True	SM 2120 B-2001(2011)	**38.0**	ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.0050**	mg/L	0.0020	1	06/22/18 18:50	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.22**	mg/L	0.10	1	06/27/18 11:38	06/26/18	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.76**	pH Units	-	1	06/16/18 08:45	NA	*
Phosphorus, Total	365.1	**0.133**	mg/L	0.020	4	06/27/18 12:26	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18 13:11
Sample Matrix:	Water	**Date Received:**	06/14/18 09:45
Sample Name:	18CMG999 Diss	**Basis:**	NA
Lab Code:	R1805600-022		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	**0.0180**	mg/L	0.0050	1	06/27/18 11:47	06/25/18	

QC Summary Forms

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General Chemistry

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Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1805600-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	06/20/18 21:52	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U	mg/L	0.0050	1	06/26/18 20:46	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	06/26/18 02:31	NA	
Chlorophyll A	SM20 10200 H	1.6	U	ug/L	1.6	1	06/18/18 10:00	NA	
Color, True	SM 2120 B-2001(2011)	**1.0**		ColorUnits	1.0	1	06/14/18 11:20	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U	mg/L	0.0020	1	06/22/18 18:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10	U	mg/L	0.10	1	06/27/18 10:53	06/26/18	
Phosphorus, Dissolved	365.1	0.0050	U	mg/L	0.0050	1	06/27/18 11:30	06/25/18	
Phosphorus, Total	365.1	0.0050	U	mg/L	0.0050	1	06/27/18 11:30	06/25/18	

Analytical Report

Client:	New York State DEC	**Service Request:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1805600-MB2		

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	06/21/18 01:08	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10	U	mg/L	0.10	1	06/27/18 11:31	06/26/18	
Phosphorus, Total	365.1	0.0050	U	mg/L	0.0050	1	06/27/18 12:05	06/25/18	

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water

Service Request:R1805600
Date Collected:06/13/18
Date Received:06/14/18
Date Analyzed:6/27/18

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: 18CMG015
Lab Code: R1805600-017

Units:mg/L
Basis:NA

			Matrix Spike R1805600-017MS			Duplicate Matrix Spike R1805600-017DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	2.91	2.50	95	2.90	2.50	95	75-125	<1	20
Phosphorus, Total	365.1	0.0145	0.0363	0.0250	87	0.0372	0.0250	91	75-125	2	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 2018/LCI2018
Sample Matrix: Water

Service Request:R1805600
Date Collected:06/13/18
Date Received:06/14/18
Date Analyzed:06/26/18 - 06/27/18

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: 18CMG999
Lab Code: R1805600-021

Units:mg/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R1805600-021MS			R1805600-021DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.6	16.2	10.0	106	16.1	10.0	105	75-125	<1	20
Phosphorus, Total	365.1	0.133	0.151	0.025	74 #	0.162	0.025	117 #	75-125	7	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:**	R1805600
Project:	LCI 2018/LCI2018	**Date Collected:**	06/13/18
Sample Matrix:	Water	**Date Received:**	06/14/18
		Date Analyzed:	06/27/18
		Date Extracted:	06/25/18

Duplicate Matrix Spike Summary
Phosphorus, Dissolved

Sample Name:	18CMG999 Diss	**Units:**	mg/L
Lab Code:	R1805600-022	**Basis:**	NA
Analysis Method:	365.1		
Prep Method:	Method		

		Matrix Spike R1805600-022MS			**Duplicate Matrix Spike** R1805600-022DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phosphorus, Dissolved	0.0180	0.0402	0.0250	89	0.0394	0.0250	85	75-125	2	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:**	R1805600
Project	LCI 2018/LCI2018	**Date Collected:**	06/13/18
Sample Matrix:	Water	**Date Received:**	06/14/18
		Date Analyzed:	06/14/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	18CMG006	**Units:**	ColorUnits
Lab Code:	R1805600-013	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1805600-013DUP Result	Average	RPD	RPD Limit
Color, True	SM 2120 B-2001(2011)	1.0	43.0	43.0	43.0	<1	5

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

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

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:**	R1805600
Project	LCI 2018/LCI2018	**Date Collected:**	06/13/18
Sample Matrix:	Water	**Date Received:**	06/14/18
		Date Analyzed:	06/16/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	18CMG006	**Units:**	pH Units
Lab Code:	R1805600-013	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1805600-013DUP Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.16	7.16	7.16	<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 2018/LCI2018
Sample Matrix: Water

Service Request: R1805600
Date Analyzed: 06/20/18 - 06/27/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1805600-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	21.2	20.0	106	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.508	0.500	102	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.5	10.0	105	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.525	0.500	105	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.30	2.50	92	70-130
Phosphorus, Dissolved	365.1	0.0231	0.0250	92	70-130
Phosphorus, Total	365.1	0.0231	0.0250	92	70-130

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water

Service Request: R1805600
Date Analyzed: 06/21/18 - 06/27/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1805600-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.8	20.0	104	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.36	2.50	94	70-130
Phosphorus, Total	365.1	0.0231	0.0250	92	70-130