



August 30, 2018

Service Request No:R1807466

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 August 08, 2018
For your reference, these analyses have been assigned our service request number **R1807466**.

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

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

Service Request: R1807466
Date Received: 08/08/2018

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 water samples were received for analysis at ALS Environmental on 08/08/2018. 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:

Method SM 2120 B-2001(2011): One or more samples were received with insufficient hold time remaining to complete the analysis within the recommended limit. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.

A handwritten signature in black ink, appearing to read "Jamaica" or similar, written over a horizontal line.

Approved by _____

Date 08/30/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG205	Lab ID: R1807466-001
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	21.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	5.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	10.2			0.64	ug/L	SM20 10200 H
Color, True	29.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.51		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.50			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0213		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG205 Diss	Lab ID: R1807466-002
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0073		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG206	Lab ID: R1807466-003
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Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon, Total Organic (TOC)	5.7		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	47.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.57		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.16			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0270		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG206 Diss	Lab ID: R1807466-004
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0102		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG213	Lab ID: R1807466-005
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	41.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	6.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	17.9			0.64	ug/L	SM20 10200 H
Color, True	34.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0027		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.81		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.46			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0419		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG213 Diss	Lab ID: R1807466-006
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0105		0.0020	0.0050	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG213 Diss	Lab ID: R1807466-006
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Analyte	Results	Flag	MDL	MRL	Units	Method
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CLIENT ID: 18CMG203	Lab ID: R1807466-007
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	73.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0052		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	13.2		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	99.7			6.4	ug/L	SM20 10200 H
Color, True	290			10	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0095		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.51		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.44			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.128		0.010	0.025	mg/L	365.1

CLIENT ID: 18CMG203 Diss	Lab ID: R1807466-008
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0785		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG215	Lab ID: R1807466-009
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	128		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0100		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	6.2		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	4.50			0.32	ug/L	SM20 10200 H
Color, True	31.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.51		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.84			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0167		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG215 Diss	Lab ID: R1807466-010
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0064		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG216	Lab ID: R1807466-011
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Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	0.306		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	5.8		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Color, True	55.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0033		0.0007	0.0020	mg/L	353.2

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG216	Lab ID: R1807466-011
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Analyte	Results	Flag	MDL	MRL	Units	Method
Nitrogen, Total Kjeldahl (TKN)	1.07		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.76			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0770		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG216 Diss	Lab ID: R1807466-012
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0127		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG209	Lab ID: R1807466-013
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	35.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	8.0		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	10.3			0.64	ug/L	SM20 10200 H
Color, True	36.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0028		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.81		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.52			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0313		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG209 Diss	Lab ID: R1807466-014
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0093		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG201	Lab ID: R1807466-015
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	46.8		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0063		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	10.6		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	30.4			6.4	ug/L	SM20 10200 H
Color, True	150			10	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0041		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.82		0.08	0.10	mg/L	351.2
pH of Color Analysis	7.38			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0462		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG201 Diss	Lab ID: R1807466-016
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0161		0.0020	0.0050	mg/L	365.1

SAMPLE DETECTION SUMMARY

CLIENT ID: 18CMG207	Lab ID: R1807466-017
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	132		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0069		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	7.8		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	22.9			3.2	ug/L	SM20 10200 H
Color, True	42.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.0026		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	1.51		0.08	0.10	mg/L	351.2
pH of Color Analysis	8.12			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0473		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG207 Diss	Lab ID: R1807466-018
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0112		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG211	Lab ID: R1807466-019
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	242		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0707		0.0008	0.0050	mg/L	ASTM D6919-09
Carbon, Total Organic (TOC)	5.3		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chlorophyll A	36.5			1.6	ug/L	SM20 10200 H
Color, True	22.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Nitrate+Nitrite as Nitrogen	0.757		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.71		0.08	0.10	mg/L	351.2
pH of Color Analysis	8.02			10	pH Units	SM 2120 B-2001 (2011)
Phosphorus, Total	0.0336		0.0020	0.0050	mg/L	365.1

CLIENT ID: 18CMG211 Diss	Lab ID: R1807466-020
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Analyte	Results	Flag	MDL	MRL	Units	Method
Phosphorus, Dissolved	0.0060		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

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

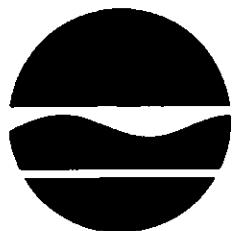
Service Request:R1807466

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1807466-001	18CMG205	8/6/2018	1135
R1807466-002	18CMG205 Diss	8/6/2018	1135
R1807466-003	18CMG206	8/6/2018	1130
R1807466-004	18CMG206 Diss	8/6/2018	1130
R1807466-005	18CMG213	8/6/2018	1500
R1807466-006	18CMG213 Diss	8/6/2018	1500
R1807466-007	18CMG203	8/6/2018	1620
R1807466-008	18CMG203 Diss	8/6/2018	1620
R1807466-009	18CMG215	8/6/2018	1738
R1807466-010	18CMG215 Diss	8/6/2018	1738
R1807466-011	18CMG216	8/6/2018	1733
R1807466-012	18CMG216 Diss	8/6/2018	1733
R1807466-013	18CMG209	8/7/2018	0720
R1807466-014	18CMG209 Diss	8/7/2018	0720
R1807466-015	18CMG201	8/7/2018	0850
R1807466-016	18CMG201 Diss	8/7/2018	0850
R1807466-017	18CMG207	8/7/2018	1000
R1807466-018	18CMG207 Diss	8/7/2018	1000
R1807466-019	18CMG211	8/7/2018	1106
R1807466-020	18CMG211 Diss	8/7/2018	1106

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:

Alene Onion

Sampler Signature:

Alene Onion

Sampler Phone No.:

518 402 8166

Project Manager: Alene Onion

☒ Report to Project Manager

☐ Bill to Project Manager

Report to:

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)

Preservative Codes:

0 = Cool to < 6°C
1 = HCL
2 = HNO₃
3 = H₂SO₄
4 = NaOH
5 = Zn. Acetate
6 = MeOH
7 = NaHSO₄
8 = Other _____

NYSDEC LCI Sample ID

Collection Date

Collection Time

Matrix Code

No. of Containers

3

ANC

3

ANC

2

ANC

0

3

ANC

0

ANC

0

ANC

0

ANC

0

ANC

0

ANC

0

ANC

0

ANC

Chlorophyll a |
Vol (ml)

Location Info

18CMG205

08/06

1135

AW

6

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

250ml

Erwin Pond, epi

Erwin Pond, hypo

Erwin Pond, epi

Erwin Pond, hypo

Erwin Pond, epi

Erwin Pond, hypo

18CMG206

08/06

1130

AW

4

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

250ml

Erwin Pond, epi

Erwin Pond, hypo

Erwin Pond, epi

Erwin Pond, hypo

Erwin Pond, epi

Erwin Pond, hypo

18CMG213

08/06

1500

AW

6

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

250ml

Mosby Bank Park Pond, epi

Mosby Bank Park Pond, hypo

Mosby Bank Park Pond, epi

Mosby Bank Park Pond, hypo

Mosby Bank Park Pond, epi

Mosby Bank Park Pond, hypo

18CMG205

08/06

1620

AW

6

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

250ml

Birdseye Hollow L, epi

Birdseye Hollow L, hypo

Birdseye Hollow L, epi

Birdseye Hollow L, hypo

Birdseye Hollow L, epi

Birdseye Hollow L, hypo

18CMG215

08/06

1738

AW

6

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

500ml

Sanford Lake, epi

Sanford Lake, hypo

Sanford Lake, epi

Sanford Lake, hypo

Sanford Lake, epi

Sanford Lake, hypo

18CMG216

08/06

1733

AW

4

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

250ml

Sanford Lake, epi

Sanford Lake, hypo

Sanford Lake, epi

Sanford Lake, hypo

Sanford Lake, epi

Sanford Lake, hypo

Special Analysis Instructions:

Relinquished by Sampler:

Alene Onion

Date:

8/7/18

Time:

1200

Received by:

[Signature]

Date:

8/8/18

Time:

09130

Laboratory Receipt Notes:

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

Relinquished by:

Date:

Time:

Received by Laboratory:

Date:

Time:

R1807466

5

Sample

New York State DEC
LCI 2018

Proper

Sample





Cooler Receipt and Preservation Check Form

R1807466

5

New York State DEC
LCI 2018Project/Client NYSDEC LCI

Folder Number _____

Cooler received on 8-8-18by: JECOURIER: ALS UPS FEDEX VELOCITY CLIENT

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

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

8. Temperature Readings Date: 8-8-18 Time: 10:24 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.5</u>	<u>9.0</u>						
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>						
Corrected Temp (°C)	<u>5.5</u>	<u>8.0</u>						
Temp from: Type of bottle	<u>Cent tube</u>	<u>Cent tube</u>						
Within 0-6°C?	<u>Y</u> N	<u>Y</u> 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	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: B-002 by JE on 8-8-18 at 10:33
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 8/8/18 Time: 1846 by: JE

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)?

10. Did all bottle labels and tags agree with custody papers?

11. Were correct containers used for the tests indicated?

12. Were 5035 vials acceptable (no extra labels, not leaking)?

13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄	✓		<u>2180071, 190612</u>	<u>7/19</u>				
<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 ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).Bottle lot numbers: 8-072-001 071618-2440

Explain all Discrepancies/ Other Comments:

2 samples on COC
Aug 18CMG205

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

Labels secondary reviewed by: JEPC Secondary Review: 2180071 8/10/18 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter
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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.	+	Correlation coefficient for MSA is <0.995.
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/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
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.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the öNotesö column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an öimmediateö hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

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

¹ Analyses were performed according to our laboratory's 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
Project: LCI 2018/LCI2018

Service Request: R1807466

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
SM20 10200 H	Water	Chlorophyll A

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dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG205
Lab Code: R1807466-001
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 2320 B-1997(2011)

SM 5310 C-2000(2011)

SM20 10200 H

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

AMOSSES

GLAFORCE

CWOODS

CWOODS

NSMITH

Sample Name: 18CMG205 Diss
Lab Code: R1807466-002
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG206
Lab Code: R1807466-003
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 5310 C-2000(2011)

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

AMOSSES

GLAFORCE

CWOODS

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG206 Diss
Lab Code: R1807466-004
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG213
Lab Code: R1807466-005
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 2320 B-1997(2011)

SM 5310 C-2000(2011)

SM20 10200 H

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

FNAEGLER

GLAFORCE

CWOODS

CWOODS

NSMITH

Sample Name: 18CMG213 Diss
Lab Code: R1807466-006
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG203
Lab Code: R1807466-007
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG203
Lab Code: R1807466-007
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

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

Sample Name: 18CMG203 Diss
Lab Code: R1807466-008
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method	Extracted/Digested By	Analyzed By
365.1	KWONG	GNITAJOUPPI

Sample Name: 18CMG215
Lab Code: R1807466-009
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

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

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG215 Diss
Lab Code: R1807466-010
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG216
Lab Code: R1807466-011
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 5310 C-2000(2011)

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

FNAEGLER

GLAFORCE

Sample Name: 18CMG216 Diss
Lab Code: R1807466-012
Sample Matrix: Water

Date Collected: 08/6/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG209
Lab Code: R1807466-013
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

FNAEGLER

GLAFORCE

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG209
Lab Code: R1807466-013
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

SM 2320 B-1997(2011)
SM 5310 C-2000(2011)
SM20 10200 H

Extracted/Digested By

Analyzed By

CWOODS
CWOODS
NSMITH

Sample Name: 18CMG209 Diss
Lab Code: R1807466-014
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG201
Lab Code: R1807466-015
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

351.2
353.2
365.1
ASTM D6919-09
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 5310 C-2000(2011)
SM20 10200 H

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI
GNITAJOUPPI
NMANSEN
AMOSSES
GLAFORCE
CWOODS
CWOODS
NSMITH

Sample Name: 18CMG201 Diss
Lab Code: R1807466-016
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG207
Lab Code: R1807466-017
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 2320 B-1997(2011)

SM 5310 C-2000(2011)

SM20 10200 H

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

AMOSSES

GLAFORCE

CWOODS

CWOODS

NSMITH

Sample Name: 18CMG207 Diss
Lab Code: R1807466-018
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

365.1

Extracted/Digested By

KWONG

Analyzed By

GNITAJOUPPI

Sample Name: 18CMG211
Lab Code: R1807466-019
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 2320 B-1997(2011)

SM 5310 C-2000(2011)

SM20 10200 H

Extracted/Digested By

NSMITH

GNITAJOUPPI

Analyzed By

GNITAJOUPPI

GNITAJOUPPI

NMANSEN

FNAEGLER

GLAFORCE

CWOODS

CWOODS

NSMITH

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Analyst Summary report

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

Service Request: R1807466

Sample Name: 18CMG211 Diss
Lab Code: R1807466-020
Sample Matrix: Water

Date Collected: 08/7/18
Date Received: 08/8/18

Analysis Method
365.1

Extracted/Digested By
KWONG

Analyzed By
GNITAJOUPPI



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid 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

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General Chemistry

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG205
Lab Code: R1807466-001

Service Request: R1807466
Date Collected: 08/06/18 11:35
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	21.2	mg/L	2.0	1	08/09/18 19:22	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/19/18 22:53	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.6	mg/L	1.0	1	08/14/18 06:39	NA	
Chlorophyll A	SM20 10200 H	10.2	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	29.0	ColorUnits	1.0	1	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 17:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.51	mg/L	0.10	1	08/24/18 17:58	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.50	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0213	mg/L	0.0050	1	08/18/18 16:22	08/17/18	

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Analytical Report

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

Sample Name: 18CMG205 Diss
Lab Code: R1807466-002

Service Request: R1807466
Date Collected: 08/06/18 11:35
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0073	mg/L	0.0050	1	08/27/18 12:11	08/21/18	

ALS Group USA, Corp.
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Analytical Report

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

Sample Name: 18CMG206
Lab Code: R1807466-003

Service Request: R1807466
Date Collected: 08/06/18 11:30
Date Received: 08/08/18 09:30

Basis: NA

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	08/19/18 23:09	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.7	mg/L	1.0	1	08/14/18 07:00	NA	
Color, True	SM 2120 B-2001(2011)	47.0	ColorUnits	1.0	1	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 17:25	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.57	mg/L	0.10	1	08/24/18 17:59	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.16	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0270	mg/L	0.0050	1	08/18/18 16:23	08/17/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG206 Diss
Lab Code: R1807466-004

Service Request: R1807466
Date Collected: 08/06/18 11:30
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0102	mg/L	0.0050	1	08/27/18 12:12	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG213
Lab Code: R1807466-005

Service Request: R1807466
Date Collected: 08/06/18 15:00
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	41.2	mg/L	2.0	1	08/09/18 19:30	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/21/18 12:42	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	6.3	mg/L	1.0	1	08/14/18 07:21	NA	
Chlorophyll A	SM20 10200 H	17.9	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	34.0	ColorUnits	1.0	1	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0027	mg/L	0.0020	1	08/29/18 17:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.81	mg/L	0.10	1	08/24/18 17:59	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.46	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0419	mg/L	0.0050	1	08/18/18 16:26	08/17/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG213 Diss
Lab Code: R1807466-006

Service Request: R1807466
Date Collected: 08/06/18 15:00
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0105	mg/L	0.0050	1	08/27/18 12:14	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG203
Lab Code: R1807466-007

Service Request: R1807466
Date Collected: 08/06/18 16:20
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	73.6	mg/L	2.0	1	08/09/18 19:36	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0052	mg/L	0.0050	1	08/19/18 23:25	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	13.2	mg/L	1.0	1	08/14/18 16:49	NA	
Chlorophyll A	SM20 10200 H	99.7	ug/L	6.4	40	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	290	ColorUnits	10	10	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0095	mg/L	0.0020	1	08/29/18 17:28	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.51	mg/L	0.10	1	08/24/18 18:02	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.44	pH Units	10	10	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.128	mg/L	0.025	5	08/18/18 17:04	08/17/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG203 Diss
Lab Code: R1807466-008

Service Request: R1807466
Date Collected: 08/06/18 16:20
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0785	mg/L	0.0050	1	08/27/18 12:17	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG215
Lab Code: R1807466-009

Service Request: R1807466
Date Collected: 08/06/18 17:38
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	128	mg/L	2.0	1	08/09/18 21:34	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0100	mg/L	0.0050	1	08/21/18 12:58	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	6.2	mg/L	1.0	1	08/14/18 17:10	NA	
Chlorophyll A	SM20 10200 H	4.50	ug/L	0.32	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	31.0	ColorUnits	1.0	1	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0020	U mg/L	0.0020	1	08/29/18 17:32	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.51	mg/L	0.10	1	08/24/18 18:02	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.84	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0167	mg/L	0.0050	1	08/18/18 16:28	08/17/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG215 Diss
Lab Code: R1807466-010

Service Request: R1807466
Date Collected: 08/06/18 17:38
Date Received: 08/08/18 09:30

Basis: NA

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 12:18	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R1807466
Date Collected: 08/06/18 17:33
Date Received: 08/08/18 09:30

Sample Name: 18CMG216
Lab Code: R1807466-011

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.306	mg/L	0.0050	1	08/21/18 13:14	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.8	mg/L	1.0	1	08/17/18 01:56	NA	
Color, True	SM 2120 B-2001(2011)	55.0	ColorUnits	1.0	1	08/08/18 19:30	NA	*
Nitrate+Nitrite as Nitrogen	353.2	0.0033	mg/L	0.0020	1	08/29/18 17:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.07	mg/L	0.10	1	08/24/18 18:03	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.76	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0770	mg/L	0.0050	1	08/18/18 16:29	08/17/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG216 Diss
Lab Code: R1807466-012

Service Request: R1807466
Date Collected: 08/06/18 17:33
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0127	mg/L	0.0050	1	08/27/18 14:18	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R1807466
Date Collected: 08/07/18 07:20
Date Received: 08/08/18 09:30

Sample Name: 18CMG209
Lab Code: R1807466-013

Basis: NA

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	08/09/18 19:41	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/21/18 18:35	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	8.0	mg/L	1.0	1	08/17/18 02:59	NA	
Chlorophyll A	SM20 10200 H	10.3	ug/L	0.64	4	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	36.0	ColorUnits	1.0	1	08/08/18 19:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0028	mg/L	0.0020	1	08/29/18 17:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.81	mg/L	0.10	1	08/24/18 18:04	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.52	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0313	mg/L	0.0050	1	08/18/18 16:31	08/17/18	

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Analytical Report

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

Sample Name: 18CMG209 Diss
Lab Code: R1807466-014

Service Request: R1807466
Date Collected: 08/07/18 07:20
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0093	mg/L	0.0050	1	08/27/18 12:23	08/21/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG201
Lab Code: R1807466-015

Service Request: R1807466
Date Collected: 08/07/18 08:50
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	46.8	mg/L	2.0	1	08/09/18 19:46	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0063	mg/L	0.0050	1	08/19/18 23:41	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.6	mg/L	1.0	1	08/14/18 11:53	NA	
Chlorophyll A	SM20 10200 H	30.4	ug/L	6.4	40	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	150	ColorUnits	10	10	08/08/18 19:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0041	mg/L	0.0020	1	08/29/18 17:36	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.82	mg/L	0.10	1	08/24/18 18:04	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.38	pH Units	10	10	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0462	mg/L	0.0050	1	08/18/18 16:32	08/17/18	

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dba ALS Environmental

Analytical Report

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

Sample Name: 18CMG201 Diss
Lab Code: R1807466-016

Service Request: R1807466
Date Collected: 08/07/18 08:50
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0161	mg/L	0.0050	1	08/27/18 12:24	08/21/18	

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Analytical Report

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

Sample Name: 18CMG207
Lab Code: R1807466-017

Service Request: R1807466
Date Collected: 08/07/18 10:00
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	132	mg/L	2.0	1	08/09/18 19:57	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0069	mg/L	0.0050	1	08/19/18 23:57	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	7.8	mg/L	1.0	1	08/17/18 03:20	NA	
Chlorophyll A	SM20 10200 H	22.9	ug/L	3.2	20	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	42.0	ColorUnits	1.0	1	08/08/18 19:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0026	mg/L	0.0020	1	08/29/18 17:38	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.51	mg/L	0.10	1	08/24/18 18:05	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	8.12	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0473	mg/L	0.0050	1	08/18/18 16:33	08/17/18	

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Analytical Report

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

Sample Name: 18CMG207 Diss
Lab Code: R1807466-018

Service Request: R1807466
Date Collected: 08/07/18 10:00
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0112	mg/L	0.0050	1	08/27/18 12:25	08/21/18	

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Analytical Report

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

Sample Name: 18CMG211
Lab Code: R1807466-019

Service Request: R1807466
Date Collected: 08/07/18 11:06
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	242	mg/L	2.0	1	08/09/18 21:40	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0707	mg/L	0.0050	1	08/21/18 14:34	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.3	mg/L	1.0	1	08/17/18 03:40	NA	
Chlorophyll A	SM20 10200 H	36.5	ug/L	1.6	10	08/25/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	22.0	ColorUnits	1.0	1	08/08/18 19:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.757	mg/L	0.0020	1	08/29/18 17:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.71	mg/L	0.10	1	08/24/18 18:06	08/23/18	
pH of Color Analysis	SM 2120 B-2001(2011)	8.02	pH Units	10	1	08/11/18 12:42	NA	*
Phosphorus, Total	365.1	0.0336	mg/L	0.0050	1	08/18/18 16:34	08/17/18	

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Analytical Report

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

Sample Name: 18CMG211 Diss
Lab Code: R1807466-020

Service Request: R1807466
Date Collected: 08/07/18 11:06
Date Received: 08/08/18 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0060	mg/L	0.0050	1	08/27/18 12:26	08/21/18	



QC Summary Forms

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General Chemistry

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1807466-MB1

Service Request: R1807466
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/09/18 16:59	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/19/18 22:20	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	08/13/18 19:52	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	08/08/18 19:30	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 16:58	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10 U	mg/L	0.10	1	08/24/18 17:50	08/23/18	
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	08/27/18 11:55	08/21/18	
Phosphorus, Total	365.1	0.0050 U	mg/L	0.0050	1	08/18/18 16:04	08/17/18	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1807466-MB2

Service Request: R1807466
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/09/18 19:17	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/21/18 10:50	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	08/14/18 08:23	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	08/29/18 17:31	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1807466-MB3

Service Request: R1807466
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/21/18 16:27	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	08/14/18 12:35	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1807466-MB4

Service Request: R1807466
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	08/16/18 18:16	

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QA/QC Report

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

Service Request: R1807466
Date Collected: 08/06/18
Date Received: 08/08/18
Date Analyzed: 08/27/18
Date Extracted: 08/21/18

Duplicate Matrix Spike Summary
Phosphorus, Dissolved

Sample Name: 18CMG213 Diss
Lab Code: R1807466-006
Analysis Method: 365.1
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike		Duplicate Matrix Spike		% Rec	Limits	RPD	RPD Limit
			Spike Amount	% Rec	Result	Spike Amount	% Rec			
Phosphorus, Dissolved	0.0105	0.0318	0.0250	85	0.0317	0.0250	85	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.

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QA/QC Report

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

Service Request:R1807466
Date Collected:08/07/18
Date Received:08/08/18
Date Analyzed:08/24/18 - 08/29/18

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: 18CMG211 **Units:**mg/L
Lab Code: R1807466-019 **Basis:**NA

Matrix Spike
R1807466-019MS

Duplicate Matrix Spike
R1807466-019DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Nitrate+Nitrite as Nitrogen	353.2	0.757	1.19	0.500	86	1.19	0.500	86	75-125	<1	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.71	3.11	2.50	96	3.24	2.50	101	75-125	4	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.

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QA/QC Report

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

Service Request: R1807466
Date Collected: 08/06/18
Date Received: 08/08/18
Date Analyzed: 08/09/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18CMG205
Lab Code: R1807466-001

Units: mg/L
Basis: NA

				Duplicate Sample R1807466- 001DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	21.2	20.8	21.0	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.

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QA/QC Report

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

Service Request: R1807466
Date Collected: 08/07/18
Date Received: 08/08/18
Date Analyzed: 08/09/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18CMG207
Lab Code: R1807466-017

Units: mg/L
Basis: NA

				Duplicate Sample R1807466- 017DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	132	132	132	<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.

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QA/QC Report

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

Service Request: R1807466
Date Collected: 08/07/18
Date Received: 08/08/18
Date Analyzed: 08/08/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18CMG211
Lab Code: R1807466-019

Units: ColorUnits
Basis: NA

				Duplicate Sample R1807466- 019DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
Color, True	SM 2120 B-2001(2011)	1.0	22.0	22.0	22.0	<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.

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QA/QC Report

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

Service Request: R1807466
Date Collected: 08/07/18
Date Received: 08/08/18
Date Analyzed: 08/11/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18CMG211
Lab Code: R1807466-019

Units: pH Units
Basis: NA

				Duplicate Sample R1807466- 019DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	10	8.02	8.02	8.02	<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.

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dba ALS Environmental

QA/QC Report

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

Service Request: R1807466
Date Analyzed: 08/09/18 - 08/29/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807466-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	18.0	20.0	90	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.494	0.500	99	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.6	10.0	106	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.511	0.500	102	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.35	2.50	94	70-130
Phosphorus, Dissolved	365.1	0.0241	0.0250	96	70-130
Phosphorus, Total	365.1	0.0227	0.0250	91	70-130

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QA/QC Report

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

Service Request: R1807466
Date Analyzed: 08/09/18 - 08/29/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807466-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.4	20.0	102	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.502	0.500	100	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.1	10.0	101	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.515	0.500	103	70-130

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dba ALS Environmental

QA/QC Report

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

Service Request: R1807466
Date Analyzed: 08/14/18 - 08/21/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807466-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.498	0.500	100	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	9.95	10.0	100	70-130

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QA/QC Report

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

Service Request: R1807466
Date Analyzed: 08/16/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1807466-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.8	10.0	108	70-130