



August 08, 2018

Service Request No:R1806731

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

Laboratory Results for: LCI 2018

Dear Ms.Onion,

Enclosed are the results of the sample(s) submitted to our laboratory July 18, 2018
For your reference, these analyses have been assigned our service request number **R1806731**.

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

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

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jason Fagel

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



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

Service Request: R1806731
Date Received: 07/18/2018

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 eight water samples were received for analysis at ALS Environmental on 07/18/2018. 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.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

A handwritten signature in black ink, appearing to read "J. Amato".

Approved by _____

Date 08/08/2018



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

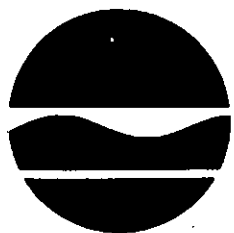
Service Request:R1806731

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1806731-001	18LHB139	7/16/2018	1635
R1806731-002	18LHB139 Diss	7/16/2018	1635
R1806731-003	18LHB103	7/17/2018	0745
R1806731-004	18LHB103 Diss	7/17/2018	0745
R1806731-005	18LHB104	7/17/2018	0752
R1806731-006	18LHB104 Diss	7/17/2018	0752
R1806731-007	18LHB141	7/17/2018	1050
R1806731-008	18LHB141 Diss	7/17/2018	1050
R1806731-009	18LHB127	7/17/2018	0936
R1806731-010	18LHB127 Diss	7/17/2018	0936
R1806731-011	18LHB125	7/17/2018	1230
R1806731-012	18LHB125 Diss	7/17/2018	1230
R1806731-013	18LHB126	7/17/2018	1235
R1806731-014	18LHB126 Diss	7/17/2018	1235
R1806731-015	18LHB997	7/17/2018	0745
R1806731-016	18LHB997 Diss	7/17/2018	0745
R1806731-017	18LHB996	7/17/2018	1235
R1806731-018	18LHB996 Diss	7/17/2018	1235
R1806731-019	18LHB101	7/17/2018	0845
R1806731-020	18LHB101 Diss	7/17/2018	0845
R1806731-021	18LHB121	7/17/2018	1133
R1806731-022	18LHB121 Diss	7/17/2018	1133
R1806731-023	18LHB122	7/17/2018	1140
R1806731-024	18LHB122 Diss	7/17/2018	1140
R1806731-025	18LHB129	7/17/2018	1305
R1806731-026	18LHB129 Diss	7/17/2018	1305
R1806731-027	18LHB130	7/17/2018	1315
R1806731-028	18LHB130 Diss	7/17/2018	1315

CHAIN OF CUSTODY

Page 1 of 1



New York State Department of
Environmental Conservation -
Division of Water

Project Name: LCI	Project Number: LCI2018	NYSDEC SDG:
Sampler Collector: Sara Gonzalez	Sampler Signature: <i>Sara Gonzalez</i>	Sampler Phone No.: 845-716-9575
Project Manager: Alene Onion	X Report to Project Manager	<input type="checkbox"/> Bill to Project Manager
Address: 625 Broadway, 4 th Floor Albany, NY 12233-3502	Report to:	Bill to: Jason Fagel
Phone: (518) 402-8166	Address:	Address: 625 Broadway, 4 th Floor Albany, NY 12233-3502
Email: alene.onion@dec.ny.gov	Phone:	Phone: 518-402-8156
	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 _____

Matrix Codes:		Collection Date	Collection Time	Matrix Code	No. of Containers	3			2			0	3			0			0					
WW = Wastewater	GW = Groundwater					AW = Ambient Water	SE = Sediment	SL = Sludge	T = Tissue	O = Other _____	TP, NH4, NOx, TKN	TP, NH4, NOx, TKN, NO3 ⁻	Dissolved TOP4	Fe, Mn, As,	Ca, Mg, Na, K	Fe, Mn, As, Ca, Mg, Na, K	Color	TOC	DOC	Alkalinity	SO4 & UV-254	SO4, Cl	SO4, Cl, UV-254	Chlorophyll a l Vol (ml)
NYSDEC LCI Sample ID																								
18LMB139	07/16	16:35	AW	6	X		X					X	X		X			X			X	250		
18LMB103	07/17	7:45	AW	7	X		X					X		X	X			X			X	500		
18LMB104	07/17	7:52	AW	6	X		X	X				X		X		X		X						
18LMB141	07/17	10:50	AW	6	X		X					X	X		X			X			X	250		
18LMB127	07/17	9:36	AW	6	X		X					X	X		X			X			X	250		
18LMB125	07/17	12:30	AW	7	X		X					X		X	X			X	X		X			
18LMB126	07/17	12:35	AW	6	X		X	X				X		X		X		X						
18LMB997	07/17	7:45	AW	7	X		X					X		X	X		X	X			X	500		
18LMB998	07/17	12:35	AW	6	X		X	X				X		X		X		X						

Location Info

Winding Hills, epi B
 Lake Beacon R, epi A
 Beacon R, hypo A
 Lake Cassa, epi B
 Wawayanda L, epi B
 Pocantico L, epi A
 Pocantico L, hypo A
 Beacon R duplicate A
 Blank

Special Analysis Instructions:

Relinquished by Sampler: Sara Gonzalez	Date: 07/17	Time: 2:00	Received by:	Date:	Time:	Laboratory Receipt Notes: Sample Temp Properly Pk Samples In
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	
Relinquished by:	Date:	Time:	Received by Laboratory: <i>[Signature]</i>	Date: 7/18/17	Time: 0935	

R1806731

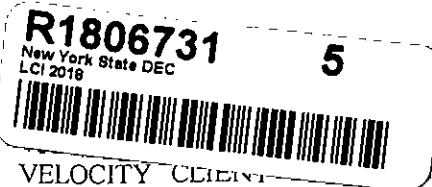
5

New York State DEC
LCI 2018





Cooler Receipt and Preservation Check Form

Project/Client LCI Folder Number _____Cooler received on 7/18/18 by: QCOURIER: 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 <u>Alk</u> or Sulfide have sig* bubbles ?	Y <u>N</u> NA
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: 7/18/18 Time: 1028 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.2</u>						
Correction Factor (°C)	<u>+1.0</u>						
Corrected Temp (°C)	<u>5.2</u>						
Temp from: Type of bottle	<u>cent bulb</u>						
Within 0-6°C?	<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

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: R002 by Q on 7/18/18 at 1035
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: _____ Time: _____ by: _____

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?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<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	-	-			**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: _____

Explain all Discrepancies/ Other Comments: see last temp sheet

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

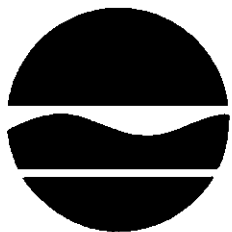
Labels secondary reviewed by: _____

PC Secondary Review: _____

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

CHAIN OF CUSTODY

Page ____ of ____



New York State Department of
Environmental Conservation –
Division of Water

Project Name: LCI

Sampler Collector:

Project Manager: Alene Onion

Address: 625 Broadway, 4th Floor
Albany, NY 12233-3502

Phone: (518) 402-8166

Email: alene.onion@dec.ny.gov

Project Number: LCI2018

Sampler Signature:

☒ Report to Project Manager
Report to:

Address:

Phone:

Email:

NYSDEC SDG:

Sampler Phone No.:

☐ Bill to Project Manager
Bill to: Jason Fagel

Address: 625 Broadway, 4th Floor
Albany, NY 12233-3502

Phone: 518-402-8156

Email: Jason.fagel@dec.ny.gov

Matrix Codes:

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

NYSDEC
LCI Sample ID

Collection Date

Collection Time

Matrix Code

No. of Containers

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 _____

Location Info

18LHB101	07-17-18	08:45	AW	8	X		X	X		X		X	X	X		X	500mL	Basin Creek - Epi
18LHB121	07-17-18	11:33	AW	6	X		X		X	X		X			X	250mL	Kinderhook - Epi	
18LHB122	07-17-18	11:40	AW	4	X		X		X	X							Kinderhook - Hypo	
18LHB129	07-17-18	13:05	AW	6	X		X		X	X		X			X		Pensacola - Epi	
18LHB130	07-17-18	13:15	AW	4	X		X		X	X							Pensacola - Hypo	

Special Analysis Instructions:

UV254 - 48hr holdtime

metals bottle not received for 18LHB101 and 7/20/18

Relinquished by Sampler:

Debra J. Line

Date:

7-17-18

Time:

14:08

Received by:

[Signature]

Date:

7/17/18

Time:

1408

Laboratory Receipt Notes:

Relinquished by:

[Signature]

Date:

7/17/18

Time:

1600

Received by:

[Signature]

Date:

7/18/18

Time:

0905

Sample Tr

Properly

Samples

R1806731

New York State DEC
LCI 2018

5





Cooler Receipt and Preservation Check Form

R1806731

New York State DEC
LCI 2018

5

Project/Client LCI

Folder Number _____

Cooler received on 7/18/18by: QCOURIER: ALS UPS ~~FEDEX~~ VELOCITY CLIENT

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

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

8. Temperature Readings Date: 7/18/18 Time: 1003 ID: IR# IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.7</u>	<u>3.1</u>					
Correction Factor (°C)	<u>-</u>	<u>+1.0</u>					
Corrected Temp (°C)	<u>2.7</u>	<u>4.1</u>					
Temp from: Type of bottle	<u>-</u>	<u>Cust tube</u>					
Within 0-6°C?	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N
If <0°C, were samples frozen?	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> N	Y <input type="radio"/> 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 Q on 7/18/18 at 1010
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 7/19/18 Time: 1115 by: Q

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?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	<u>204518</u>	HNO ₃	<input checked="" type="checkbox"/>		<u>1117091, 82501C</u>	<u>3/19, 12/18</u>				
≤2		H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>190642, 2480071</u>	<u>6/19</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, 041618-2AMM, 120417-2AMM, 18-06-25
Explain all Discrepancies/ Other Comments:label missing from LHB103 (UV-254/so₄)

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

Labels secondary reviewed by: QPC Secondary Review: sim 7/19/18

*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.	+	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: R1806731

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
SM 5910 B	Water	UV254
SM20 10200 H	Water	Chlorophyll A

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB139
Lab Code: R1806731-001
Sample Matrix: Water

Date Collected: 07/16/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

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

Sample Name: 18LHB139 Diss
Lab Code: R1806731-002
Sample Matrix: Water

Date Collected: 07/16/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

365.1		NMANSEN
-------	--	---------

Sample Name: 18LHB103
Lab Code: R1806731-003
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

300.0		AMOSSES
351.2		CWOODS
353.2		NMANSEN
365.1		GNITAJOUPPI
ASTM D6919-09		CWOODS
SM 2120 B-2001(2011)		GLAFORCE
SM 2320 B-1997(2011)		CWOODS
SM 5910 B		NMANSEN
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: R1806731

Sample Name: 18LHB103 Diss
Lab Code: R1806731-004
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1
SM 5310 C-2000(2011)

Extracted/Digested By

Analyzed By

NMANSEN
CWOODS

Sample Name: 18LHB104
Lab Code: R1806731-005
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

300.0
351.2
353.2
365.1
ASTM D6919-09
SM 2120 B-2001(2011)
SM 5910 B

Extracted/Digested By

Analyzed By

AMOSSES
CWOODS
NMANSEN
GNITAJOUPPI
CWOODS
GLAFORCE
NMANSEN

Sample Name: 18LHB104 Diss
Lab Code: R1806731-006
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1
SM 5310 C-2000(2011)

Extracted/Digested By

Analyzed By

NMANSEN
CWOODS

Sample Name: 18LHB141
Lab Code: R1806731-007
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

351.2
353.2

Extracted/Digested By

Analyzed By

CWOODS
NMANSEN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB141
Lab Code: R1806731-007
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

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**Analyzed By**

GNITAJOUPPI
CWOODS
GLAFORCE
CWOODS
CWOODS
NSMITH

Sample Name: 18LHB141 Diss
Lab Code: R1806731-008
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1

Extracted/Digested By**Analyzed By**

GNITAJOUPPI

Sample Name: 18LHB127
Lab Code: R1806731-009
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

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**Analyzed By**

CWOODS
NMANSEN
GNITAJOUPPI
CWOODS
GLAFORCE
CWOODS
CWOODS
NSMITH

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB127 Diss
Lab Code: R1806731-010
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method
365.1

Extracted/Digested By

Analyzed By
GNITAJOUPPI

Sample Name: 18LHB125
Lab Code: R1806731-011
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method
300.0
351.2
353.2
365.1
ASTM D6919-09

Extracted/Digested By

Analyzed By
AMOSSES
CWOODS
NMANSEN
GNITAJOUPPI
CWOODS

SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 5910 B
SM20 10200 H

GLAFORCE
CWOODS
NMANSEN
NSMITH

Sample Name: 18LHB125 Diss
Lab Code: R1806731-012
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method
365.1
SM 5310 C-2000(2011)

Extracted/Digested By

Analyzed By
GNITAJOUPPI
CWOODS

Sample Name: 18LHB126
Lab Code: R1806731-013
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method
300.0

Extracted/Digested By

Analyzed By
AMOSSES

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB126
Lab Code: R1806731-013
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

Extracted/Digested By

Analyzed By

351.2

CWOODS

353.2

NMANSEN

365.1

GNITAJOUPPI

ASTM D6919-09

CWOODS

SM 2120 B-2001(2011)

GLAFORCE

SM 5910 B

NMANSEN

Sample Name: 18LHB126 Diss
Lab Code: R1806731-014
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

Extracted/Digested By

Analyzed By

365.1

GNITAJOUPPI

SM 5310 C-2000(2011)

CWOODS

Sample Name: 18LHB997
Lab Code: R1806731-015
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

Extracted/Digested By

Analyzed By

300.0

AMOSSES

351.2

CWOODS

353.2

NMANSEN

365.1

GNITAJOUPPI

ASTM D6919-09

AMOSSES

SM 2120 B-2001(2011)

GLAFORCE

SM 2320 B-1997(2011)

CWOODS

SM 5910 B

NMANSEN

SM20 10200 H

NSMITH

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Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB997 Diss
Lab Code: R1806731-016
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1
SM 5310 C-2000(2011)

Extracted/Digested By**Analyzed By**

GNITAJOUPPI
CWOODS

Sample Name: 18LHB996
Lab Code: R1806731-017
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

300.0
351.2
353.2
365.1
ASTM D6919-09
SM 2120 B-2001(2011)
SM 5910 B

Extracted/Digested By**Analyzed By**

AMOSSES
CWOODS
NMANSEN
GNITAJOUPPI
AMOSSES
GLAFORCE
NMANSEN

Sample Name: 18LHB996 Diss
Lab Code: R1806731-018
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1
SM 5310 C-2000(2011)

Extracted/Digested By**Analyzed By**

GNITAJOUPPI
CWOODS

Sample Name: 18LHB101
Lab Code: R1806731-019
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

300.0
351.2

Extracted/Digested By**Analyzed By**

AMOSSES
CWOODS

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB101
Lab Code: R1806731-019
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

353.2

NMANSEN

365.1

GNITAJOUPPI

ASTM D6919-09

CWOODS

SM 2120 B-2001(2011)

GLAFORCE

SM 2320 B-1997(2011)

CWOODS

SM 5910 B

NMANSEN

SM20 10200 H

NSMITH

Sample Name: 18LHB101 Diss
Lab Code: R1806731-020
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

365.1

GNITAJOUPPI

SM 5310 C-2000(2011)

CWOODS

Sample Name: 18LHB121
Lab Code: R1806731-021
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method**Extracted/Digested By****Analyzed By**

351.2

CWOODS

353.2

NMANSEN

365.1

GNITAJOUPPI

ASTM D6919-09

CWOODS

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.

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Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB121 Diss
Lab Code: R1806731-022
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1

Extracted/Digested By**Analyzed By**

GNITAJOUPPI

Sample Name: 18LHB122
Lab Code: R1806731-023
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

SM 5310 C-2000(2011)

Extracted/Digested By**Analyzed By**

CWOODS

NMANSEN

GNITAJOUPPI

CWOODS

GLAFORCE

CWOODS

Sample Name: 18LHB122 Diss
Lab Code: R1806731-024
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1

Extracted/Digested By**Analyzed By**

GNITAJOUPPI

Sample Name: 18LHB129
Lab Code: R1806731-025
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

351.2

353.2

365.1

ASTM D6919-09

SM 2120 B-2001(2011)

Extracted/Digested By**Analyzed By**

CWOODS

NMANSEN

GNITAJOUPPI

CWOODS

GLAFORCE

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Analyst Summary report

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

Service Request: R1806731

Sample Name: 18LHB129
Lab Code: R1806731-025
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

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: 18LHB129 Diss
Lab Code: R1806731-026
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1

Extracted/Digested By

Analyzed By

GNITAJOUPPI

Sample Name: 18LHB130
Lab Code: R1806731-027
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

351.2
353.2
365.1
ASTM D6919-09
SM 2120 B-2001(2011)
SM 5310 C-2000(2011)

Extracted/Digested By

Analyzed By

CWOODS
NMANSEN
GNITAJOUPPI
CWOODS
GLAFORCE
CWOODS

Sample Name: 18LHB130 Diss
Lab Code: R1806731-028
Sample Matrix: Water

Date Collected: 07/17/18
Date Received: 07/18/18

Analysis Method

365.1

Extracted/Digested By

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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Metals

ALS Environmental—Rochester Laboratory

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METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: New York State DEC

Service Request: LCI0716

Project No.: R1806731

Date Collected: 7/17/2018

Project Name:

Date Received: 7/18/2018

Matrix: WATER

Units: ug/L

Basis:

Sample Name: 18LHB104

Lab Code: R1806731-005

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	200.8	1.0	0.39	1.0	1.0	U	
Iron	200.7	100	13.0	1.0	312		
Manganese	200.7	10.0	1.7	1.0	150		

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: New York State DEC

Service Request: LCI0716

Project No.: R1806731

Date Collected: 7/17/2018

Project Name:

Date Received: 7/18/2018

Matrix: WATER

Units: ug/L

Basis:

Sample Name: 18LHB126

Lab Code: R1806731-013

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	200.8	1.0	0.39	1.0	0.83	J	
Iron	200.7	100	13.0	1.0	592		
Manganese	200.7	10.0	1.7	1.0	645		

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: New York State DEC **Service Request:** LCI0716
Project No.: R1806731 **Date Collected:** 7/17/2018
Project Name: **Date Received:** 7/18/2018
Matrix: WATER **Units:** ug/L
Basis:

Sample Name: 18LHB996 **Lab Code:** R1806731-017

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	200.8	1.0	0.39	1.0	1.0	U	
Iron	200.7	100	13.0	1.0	100	U	
Manganese	200.7	10.0	1.7	1.0	2.0	J	

% Solids: 0.0

Comments:



General Chemistry

ALS Environmental—Rochester Laboratory

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Phone (585) 288-5380 Fax (585) 288-8475

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Analytical Report

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

Service Request: R1806731
Date Collected: 07/16/18 16:35
Date Received: 07/18/18 09:35

Sample Name: 18LHB139
Lab Code: R1806731-001

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	07/24/18 04:19	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0298	mg/L	0.0050	1	07/26/18 02:58	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	7.3	mg/L	1.0	1	07/26/18 17:02	NA	
Chlorophyll A	SM20 10200 H	24.9	ug/L	1.6	10	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	38.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0065	mg/L	0.0020	1	07/28/18 16:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.24	mg/L	0.10	1	07/30/18 11:20	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.48	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0415	mg/L	0.0050	1	07/30/18 12:23	NA	

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Analytical Report

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

Sample Name: 18LHB139 Diss
Lab Code: R1806731-002

Service Request: R1806731
Date Collected: 07/16/18 16:35
Date Received: 07/18/18 09:35

Basis: NA

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	07/25/18 17:42	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R1806731
Date Collected: 07/17/18 07:45
Date Received: 07/18/18 09:35

Sample Name: 18LHB103
Lab Code: R1806731-003

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)	15.2	mg/L	2.0	1	07/24/18 04:28	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0069	mg/L	0.0050	1	07/26/18 03:14	NA	
Chlorophyll A	SM20 10200 H	1.44	ug/L	0.080	1	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	27.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	07/28/18 16:39	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.49	mg/L	0.10	1	07/30/18 11:21	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.05	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0064	mg/L	0.0050	1	07/30/18 12:24	NA	
Sulfate	300.0	5.7	mg/L	2.0	10	07/20/18 01:00	NA	
UV254	SM 5910 B	0.105	cm-1	-	1	07/18/18 18:38	NA	

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Analytical Report

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

Sample Name: 18LHB103 Diss
Lab Code: R1806731-004

Service Request: R1806731
Date Collected: 07/17/18 07:45
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	4.5	mg/L	1.0	1	07/26/18 12:40	NA	
Phosphorus, Dissolved	365.1	0.0072	mg/L	0.0050	1	07/25/18 18:07	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB104
Lab Code: R1806731-005

Service Request: R1806731
Date Collected: 07/17/18 07:52
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0806	mg/L	0.0050	1	07/26/18 03:30	NA	
Color, True	SM 2120 B-2001(2011)	31.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0462	mg/L	0.0020	1	07/28/18 16:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.20	mg/L	0.10	1	07/30/18 11:23	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	6.91	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0108	mg/L	0.0050	1	07/30/18 12:25	NA	
Sulfate	300.0	7.2	mg/L	2.0	10	07/20/18 01:06	NA	
UV254	SM 5910 B	0.0900	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB104 Diss
Lab Code: R1806731-006

Service Request: R1806731
Date Collected: 07/17/18 07:52
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	3.1	mg/L	1.0	1	07/26/18 13:01	NA	
Phosphorus, Dissolved	365.1	0.0064	mg/L	0.0050	1	07/25/18 18:08	NA	

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dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: 18LHB141
Lab Code: R1806731-007

Service Request: R1806731
Date Collected: 07/17/18 10:50
Date Received: 07/18/18 09:35
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)	105	mg/L	2.0	1	07/24/18 04:35	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0411	mg/L	0.0050	1	07/26/18 03:46	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	9.0	mg/L	1.0	1	07/26/18 17:23	NA	
Chlorophyll A	SM20 10200 H	23.5	ug/L	0.80	5	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	31.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0079	mg/L	0.0020	1	07/28/18 16:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.36	mg/L	0.10	1	07/30/18 11:23	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.71	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0288	mg/L	0.0050	1	07/30/18 12:26	NA	

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dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB141 Diss
Lab Code: R1806731-008

Service Request: R1806731
Date Collected: 07/17/18 10:50
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0122	mg/L	0.0050	1	07/30/18 11:42	NA	

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dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: 18LHB127
Lab Code: R1806731-009

Service Request: R1806731
Date Collected: 07/17/18 09:36
Date Received: 07/18/18 09:35
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)	12.0	mg/L	2.0	1	07/24/18 04:47	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0052	mg/L	0.0050	1	07/26/18 04:02	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	8.4	mg/L	1.0	1	07/26/18 17:44	NA	
Chlorophyll A	SM20 10200 H	21.8	ug/L	0.64	4	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	90.0	ColorUnits	5.0	5	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0163	mg/L	0.0020	1	07/28/18 16:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.71	mg/L	0.10	1	07/30/18 11:24	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	6.68	pH Units	-	5	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0153	mg/L	0.0050	1	07/30/18 12:27	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB127 Diss
Lab Code: R1806731-010

Service Request: R1806731
Date Collected: 07/17/18 09:36
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0085	mg/L	0.0050	1	07/30/18 11:46	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R1806731
Date Collected: 07/17/18 12:30
Date Received: 07/18/18 09:35

Sample Name: 18LHB125
Lab Code: R1806731-011

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)	90.8	mg/L	2.0	1	07/24/18 04:53	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0146	mg/L	0.0050	1	07/26/18 04:18	NA	
Chlorophyll A	SM20 10200 H	17.0	ug/L	3.2	20	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	39.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0443	mg/L	0.0020	1	07/28/18 16:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.75	mg/L	0.10	1	07/30/18 11:25	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	8.25	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0230	mg/L	0.0050	1	07/30/18 12:28	NA	
Sulfate	300.0	16.1	mg/L	2.0	10	07/20/18 01:23	NA	
UV254	SM 5910 B	0.156	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB125 Diss
Lab Code: R1806731-012

Service Request: R1806731
Date Collected: 07/17/18 12:30
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	6.1	mg/L	1.0	1	07/26/18 13:22	NA	
Phosphorus, Dissolved	365.1	0.0068	mg/L	0.0050	1	07/30/18 11:47	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB126
Lab Code: R1806731-013

Service Request: R1806731
Date Collected: 07/17/18 12:35
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.107	mg/L	0.0050	1	07/26/18 04:34	NA	
Color, True	SM 2120 B-2001(2011)	37.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0075	mg/L	0.0020	1	07/28/18 16:48	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.93	mg/L	0.10	1	07/30/18 11:26	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.51	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0613	mg/L	0.0050	1	07/30/18 12:29	NA	
Sulfate	300.0	16.0	mg/L	2.0	10	08/03/18 05:28	NA	
UV254	SM 5910 B	0.149	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB126 Diss
Lab Code: R1806731-014

Service Request: R1806731
Date Collected: 07/17/18 12:35
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	5.6	mg/L	1.0	1	07/26/18 13:43	NA	
Phosphorus, Dissolved	365.1	0.0178	mg/L	0.0050	1	07/30/18 11:48	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Service Request: R1806731
Date Collected: 07/17/18 07:45
Date Received: 07/18/18 09:35

Sample Name: 18LHB997
Lab Code: R1806731-015

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)	15.6	mg/L	2.0	1	07/24/18 04:57	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0067	mg/L	0.0050	1	07/26/18 06:26	NA	
Chlorophyll A	SM20 10200 H	1.35	ug/L	0.080	1	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	22.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0040	mg/L	0.0020	1	07/28/18 16:50	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.47	mg/L	0.10	1	07/30/18 11:26	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.49	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0060	mg/L	0.0050	1	07/30/18 12:33	NA	
Sulfate	300.0	6.0	mg/L	2.0	10	07/20/18 01:29	NA	
UV254	SM 5910 B	0.106	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB997 Diss
Lab Code: R1806731-016

Service Request: R1806731
Date Collected: 07/17/18 07:45
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	4.7	mg/L	1.0	1	07/26/18 14:04	NA	
Phosphorus, Dissolved	365.1	0.0065	mg/L	0.0050	1	07/30/18 13:56	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB996
Lab Code: R1806731-017

Service Request: R1806731
Date Collected: 07/17/18 12:35
Date Received: 07/18/18 09:35

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	07/26/18 06:42	NA	
Color, True	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	07/28/18 16:51	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.11	mg/L	0.10	1	07/30/18 11:27	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	5.75	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0050 U	mg/L	0.0050	1	07/30/18 12:34	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	07/20/18 01:35	NA	
UV254	SM 5910 B	0.00500	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB996 Diss
Lab Code: R1806731-018

Service Request: R1806731
Date Collected: 07/17/18 12:35
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	1.4	mg/L	1.0	1	07/26/18 14:25	NA	
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	07/30/18 11:53	NA	

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Analytical Report

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

Service Request: R1806731
Date Collected: 07/17/18 08:45
Date Received: 07/18/18 09:35

Sample Name: 18LHB101
Lab Code: R1806731-019

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)	66.4	mg/L	2.0	1	07/24/18 05:03	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	07/25/18 02:37	NA	
Chlorophyll A	SM20 10200 H	6.04	ug/L	0.80	10	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	24.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	07/28/18 16:52	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.49	mg/L	0.10	1	07/30/18 11:28	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.99	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0191	mg/L	0.0050	1	07/30/18 12:35	NA	
Sulfate	300.0	5.9	mg/L	2.0	10	07/20/18 01:41	NA	
UV254	SM 5910 B	0.0890	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB101 Diss
Lab Code: R1806731-020

Service Request: R1806731
Date Collected: 07/17/18 08:45
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	4.3	mg/L	1.0	1	07/19/18 14:30	NA	
Phosphorus, Dissolved	365.1	0.0092	mg/L	0.0050	1	07/30/18 11:54	NA	

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dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: 18LHB121
Lab Code: R1806731-021

Service Request: R1806731
Date Collected: 07/17/18 11:33
Date Received: 07/18/18 09:35
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)	69.6	mg/L	2.0	1	07/24/18 05:09	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0054	mg/L	0.0050	1	07/25/18 02:53	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.0	mg/L	1.0	1	07/19/18 14:51	NA	
Chlorophyll A	SM20 10200 H	13.6	ug/L	1.6	10	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	21.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0035	mg/L	0.0020	1	07/28/18 16:54	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.60	mg/L	0.10	1	07/30/18 11:28	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.91	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0135	mg/L	0.0050	1	07/30/18 12:36	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB121 Diss
Lab Code: R1806731-022

Service Request: R1806731
Date Collected: 07/17/18 11:33
Date Received: 07/18/18 09:35

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	07/30/18 11:55	NA	

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dba ALS Environmental

Analytical Report

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

Sample Name: 18LHB122
Lab Code: R1806731-023

Service Request: R1806731
Date Collected: 07/17/18 11:40
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.900	mg/L	0.0050	1	07/25/18 03:09	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	4.5	mg/L	1.0	1	07/19/18 15:11	NA	
Color, True	SM 2120 B-2001(2011)	45.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0091	mg/L	0.0020	1	07/28/18 16:55	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.31	mg/L	0.10	1	07/30/18 11:29	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.35	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.126	mg/L	0.025	5	07/30/18 12:37	NA	

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Analytical Report

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

Sample Name: 18LHB122 Diss
Lab Code: R1806731-024

Service Request: R1806731
Date Collected: 07/17/18 11:40
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.114	mg/L	0.025	5	07/30/18 11:56	NA	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: 18LHB129
Lab Code: R1806731-025

Service Request: R1806731
Date Collected: 07/17/18 13:05
Date Received: 07/18/18 09:35
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)	148	mg/L	2.0	1	07/24/18 05:14	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0479	mg/L	0.0050	1	07/25/18 03:25	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	6.0	mg/L	1.0	1	07/19/18 15:32	NA	
Chlorophyll A	SM20 10200 H	32.0	ug/L	1.6	10	07/26/18 12:00	NA	
Color, True	SM 2120 B-2001(2011)	26.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0539	mg/L	0.0020	1	07/28/18 16:57	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.80	mg/L	0.10	1	07/30/18 11:31	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.92	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0252	mg/L	0.0050	1	07/30/18 12:38	NA	

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Analytical Report

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

Sample Name: 18LHB129 Diss
Lab Code: R1806731-026

Service Request: R1806731
Date Collected: 07/17/18 13:05
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0126	mg/L	0.0050	1	07/30/18 11:57	NA	

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Analytical Report

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

Sample Name: 18LHB130
Lab Code: R1806731-027

Service Request: R1806731
Date Collected: 07/17/18 13:15
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.219	mg/L	0.0050	1	07/25/18 03:41	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	6.4	mg/L	1.0	1	07/19/18 15:53	NA	
Color, True	SM 2120 B-2001(2011)	20.0	ColorUnits	1.0	1	07/18/18 16:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0276	mg/L	0.0020	1	07/28/18 16:58	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.34	mg/L	0.10	1	07/30/18 11:32	NA	
pH of Color Analysis	SM 2120 B-2001(2011)	7.85	pH Units	-	1	07/21/18 13:20	NA	*
Phosphorus, Total	365.1	0.0255	mg/L	0.0050	1	07/30/18 12:39	NA	

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Analytical Report

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

Sample Name: 18LHB130 Diss
Lab Code: R1806731-028

Service Request: R1806731
Date Collected: 07/17/18 13:15
Date Received: 07/18/18 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0120	mg/L	0.0050	1	07/30/18 13:57	NA	



QC Summary Forms

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Metals

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METALS

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BLANKS

Contract: R1806731

Lab Code: Case No.: SAS No.: SDG NO.: LCI0716

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M
		1	2	3						
Arsenic	0.39 U	0.39 U	0.39 U	0.39 U				0.39 U		MS
Iron	13.00 U	13.00 U	13.00 U	13.00 U				13.000 U		P
Manganese	1.70 U	1.70 U	1.70 U	1.70 U				1.700 U		P

Comments:

METALS

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BLANKS

Contract: R1806731

Lab Code: Case No.: SAS No.: SDG NO.: LCI0716

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M
		1	2	3						
Arsenic		0.39	0.39	0.39	U	U	U			MS
Iron		13.00	13.00	13.00	U	U	U			P
Manganese		1.70	1.70	1.70	U	U	U			P

Comments:

METALS

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BLANKS

Contract: R1806731

Lab Code: Case No.: SAS No.: SDG NO.: LCI0716

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M
		1	2	3						
Arsenic		0.39								MS
Iron		13.00								P
Manganese		1.70								P

Comments:

METALS

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ICP INTERFERENCE CHECK SAMPLE

Contract: R1806731

Lab Code: Case No.: SAS No.: SDG NO.: LCI0716

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Iron	100000	100000	91700.0	92300	92	91500.0	91500	92
Manganese		500	1.5	491	98	1.5	488	98

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1806731

Lab Code: Case No.: SAS No.: SDG NO.: LCI0716

Solid LCS Source:

Aqueous LCS Source: ACCUSTANDARD

Analyte	Aqueous (ug/L			Solid (mg/K					
	True	Found	%R	True	Found	C	Limits	%R	
Arsenic	20.0	22.0	110						
Iron	1000	1010	101						
Manganese	500	497	99						

Comments:



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: RQ1807332-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	07/20/18 00:07	NA	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807337-10

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	07/19/18 08:53	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	07/19/18 08:53	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807358-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	07/25/18 17:13	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807359-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	07/25/18 17:17	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807442-04

Service Request: R1806731
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 CaCO3	SM 2320 B-1997(2011)	2.0	U mg/L	2.0	1	07/24/18 03:40	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807580-06

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Dissolved	365.1	0.0050 U	mg/L	0.0050	1	07/30/18 11:39	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807581-05

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus, Total	365.1	0.0050 U	mg/L	0.0050	1	07/30/18 12:14	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807592-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
UV254	SM 5910 B	0.00100	cm-1	-	1	07/18/18 18:38	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807595-12

Service Request: R1806731
Date Collected: NA
Date Received: NA
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	07/25/18 02:05	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807598-12

Service Request: R1806731
Date Collected: NA
Date Received: NA
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	07/25/18 23:29	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807626-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
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	07/26/18 05:54	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807650-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10 U	mg/L	0.10	1	07/30/18 11:14	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

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

Sample Name: Method Blank
Lab Code: RQ1807672-01

Service Request: R1806731
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Chlorophyll A	SM20 10200 H	0.40 U	ug/L	0.40	1	07/26/18 12:00	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807687-07

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	07/26/18 10:52	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	07/26/18 10:52	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/LCI2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ1807911-01

Service Request: R1806731
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/03/18 04:47	NA	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 07/20/18

Duplicate Matrix Spike Summary
Sulfate

Sample Name: 18LHB101
Lab Code: R1806731-019
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike RQ1807332-13		Result	Duplicate Matrix Spike RQ1807332-14		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Sulfate	5.9	24.5	20.0	93	24.2	20.0	92	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 07/30/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Phosphorus, Dissolved

Sample Name: 18LHB141 Diss
Lab Code: R1806731-008
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	0.0122	0.0336	0.0250	86	0.0359	0.0250	95	75-125	6	20

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 07/30/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Phosphorus, Total

Sample Name: 18LHB130
Lab Code: R1806731-027
Analysis Method: 365.1
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike		Result	Duplicate Matrix Spike		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Phosphorus, Total	0.0255	0.0478	0.0250	89	0.0495	0.0250	96	75-125	3	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 07/30/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: 18LHB130
Lab Code: R1806731-027
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1807650-05			Duplicate Matrix Spike RQ1807650-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	1.34	3.51	2.50	87	3.56	2.50	89	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/16/18
Date Received: 07/18/18
Date Analyzed: 07/28/18

Duplicate Matrix Spike Summary
Nitrate+Nitrite as Nitrogen

Sample Name: 18LHB139
Lab Code: R1806731-001
Analysis Method: 353.2

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1807718-07			Duplicate Matrix Spike RQ1807718-08			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrate+Nitrite as Nitrogen	0.0065	0.500	0.500	99	0.495	0.500	98	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.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 08/3/18

Duplicate Matrix Spike Summary
Sulfate

Sample Name: 18LHB126
Lab Code: R1806731-013
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1807911-03			Duplicate Matrix Spike RQ1807911-04			RPD	RPD Limit	
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
										% Rec Limits
Sulfate	16.0	35.4	20.0	97	35.4	20.0	97	75-125	<1	20

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

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

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

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731**Date Collected:** 07/16/18**Date Received:** 07/18/18**Date Analyzed:** 07/24/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18LHB139
Lab Code: R1806731-001

Units: mg/L**Basis:** NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample RQ1807442-01	Average	RPD	RPD Limit
				Result			
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	46.8	46.4	46.6	<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.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Collected: 07/17/18
Date Received: 07/18/18
Date Analyzed: 07/24/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18LHB129
Lab Code: R1806731-025

Units: mg/L
Basis: NA

		Duplicate Sample RQ1807442-02					
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	148	148	148	<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.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731**Date Collected:** 07/17/18**Date Received:** 07/18/18**Date Analyzed:** 07/18/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name: 18LHB996
Lab Code: R1806731-017

Units: cm-1**Basis:** NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample RQ1807592-02	Average	RPD	RPD Limit
				Result			
UV254	SM 5910 B	-	0.00500	0.00450	0.00475	11	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/20/18

Lab Control Sample Summary
Sulfate Anion by Ion Chromatography

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807332-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	2.00	2.00	100	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/19/18

Lab Control Sample Summary

Dissolved Organic Carbon (DOC), Persulfate-Ultraviolet or Heated-Persulfate Oxidation

Units:mg/L

Basis:NA

Lab Control Sample

RQ1807337-09

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	10.3	10.0	103	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.3	10.0	103	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/25/18

Lab Control Sample Summary
Phosphorus, Dissolved (Colorimetric, Automated, Ascorbic Acid)

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807358-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phosphorus, Dissolved	365.1	0.0232	0.0250	93	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/25/18

Lab Control Sample Summary
Phosphorus, Dissolved (Colorimetric, Automated, Ascorbic Acid)

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807359-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phosphorus, Dissolved	365.1	0.0235	0.0250	94	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/24/18

Lab Control Sample Summary
Alkalinity Titration

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807442-03

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/30/18

Lab Control Sample Summary
Phosphorus, Dissolved (Colorimetric, Automated, Ascorbic Acid)

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807580-05

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phosphorus, Dissolved	365.1	0.0229	0.0250	91	70-130

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/30/18

Lab Control Sample Summary**Phosphorus, Total (Colorimetric, Automated, Ascorbic Acid)****Units:**mg/L**Basis:**NA**Lab Control Sample**

RQ1807581-06

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phosphorus, Total	365.1	0.0232	0.0250	93	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/25/18

Lab Control Sample Summary
Nitrogen, Ammonia (Ion Chromatography); no Distillation

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807595-11

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.500	0.500	100	70-130

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/25/18

Lab Control Sample Summary
Nitrogen, Ammonia (Ion Chromatography); no Distillation

Units:mg/L**Basis:**NA**Lab Control Sample**

RQ1807598-11

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.493	0.500	99	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/26/18

Lab Control Sample Summary
Nitrogen, Ammonia (Ion Chromatography); no Distillation

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807626-02

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

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/30/18

Lab Control Sample Summary**Nitrogen, Kjeldahl, Total (Colorimetric, Semi-Automated Digester, AAI)****Units:**mg/L**Basis:**NA**Lab Control Sample**

RQ1807650-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Nitrogen, Total Kjeldahl (TKN)	351.2	2.39	2.50	95	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 07/26/18

Lab Control Sample Summary

Dissolved Organic Carbon (DOC), Persulfate-Ultraviolet or Heated-Persulfate Oxidation

Units:mg/L

Basis:NA

Lab Control Sample

RQ1807687-08

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Dissolved Organic (DOC)	SM 5310 C-2000(2011)	9.7	10.0	97	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	9.71	10.0	97	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R1806731
Date Analyzed: 08/03/18

Lab Control Sample Summary
Sulfate Anion by Ion Chromatography

Units:mg/L
Basis:NA

Lab Control Sample
RQ1807911-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	2.08	2.00	104	70-130