

Service Request No:R1807077

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

**Laboratory Results for: LCI** 

Dear Ms.Onion,

Enclosed are the results of the sample(s) submitted to our laboratory July 27, 2018 For your reference, these analyses have been assigned our service request number **R1807077**.

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

Jamansto

CC: Jason Fagel



## **Narrative Documents**

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



Client:New York State DECService Request: R1807077Project:LCIDate Received: 07/27/2018

Sample Matrix: Water

#### **CASE NARRATIVE**

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

#### **Sample Receipt:**

Eight water samples were received for analysis at ALS Environmental on 07/27/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

#### **General Chemistry:**

No significant anomalies were noted with this analysis.

	Jaman Sox
Approved by	<u> </u>

Date	08/21/2018
Dale	U0/21/2U10



### **SAMPLE DETECTION SUMMARY**

CLIENT ID: 18LIS053		Lab ID: R1807077-001							
Analyte	Results	Flag	MDL	MRL	Units	Method			
Alkalinity, Total as CaCO3	39.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)			
Ammonia as Nitrogen, undistilled	0.436		0.008	0.050	mg/L	ASTM D6919-09			
Carbon, Total Organic (TOC)	6.2		0.05	1.0	mg/L	SM 5310 C-2000 (2011)			
Chlorophyll A	125			3.2	ug/L	SM20 10200 H			
Color, True	80.0			5.0	ColorUnits	SM 2120 B-2001 (2011)			
Nitrate+Nitrite as Nitrogen	0.0830		0.0007	0.0020	mg/L	353.2			
Nitrogen, Total Kjeldahl (TKN)	1.65		0.08	0.10	mg/L	351.2			
pH of Color Analysis	7.59				pH Units	SM 2120 B-2001 (2011)			
Phosphorus, Total	0.74		0.04	0.10	mg/L	365.1			
CLIENT ID: 18LIS057			D: R1807						
Analyte	Results	Flag	MDL	MRL	Units	Method			
Alkalinity, Total as CaCO3	17.2		1.0	2.0	mg/L	SM 2320 B-1997 (2011)			
Carbon, Total Organic (TOC)	5.1		0.05	1.0	mg/L	SM 5310 C-2000 (2011)			
Chlorophyll A	134			3.2	ug/L	SM20 10200 H			
Color, True	33.0		0.0007	1.0	ColorUnits	SM 2120 B-2001 (2011)			
Nitrate+Nitrite as Nitrogen	0.0110		0.0007	0.0020	mg/L	353.2			
Nitrogen, Total Kjeldahl (TKN)	1.16		80.0	0.10	mg/L	351.2 SM 2120 B-2001			
pH of Color Analysis	7.57		0.04	0.40	pH Units	(2011)			
Phosphorus, Total	0.48		0.04	0.10	mg/L	365.1			
CLIENT ID: 18LIS055			D: R1807						
Analyte	Results	Flag	MDL	MRL	Units	Method			
Alkalinity, Total as CaCO3	38.4		1.0	2.0	mg/L	SM 2320 B-1997 (2011)			
Ammonia as Nitrogen, undistilled	0.170		0.008	0.050	mg/L	ASTM D6919-09			
Carbon, Total Organic (TOC)	7.4		0.05	1.0	mg/L	SM 5310 C-2000 (2011)			
Chlorophyll A	8.38			0.64	ug/L	SM20 10200 H			
Color, True	85.0		0.0007	5.0	ColorUnits	SM 2120 B-2001 (2011)			
Nitrate+Nitrite as Nitrogen	0.282		0.0007	0.0020	mg/L	353.2			
Nitrogen, Total Kjeldahl (TKN)	0.86		0.08	0.10	mg/L	351.2			
pH of Color Analysis	7.35				pH Units	SM 2120 B-2001 (2011)			
Phosphorus, Total	0.239		0.020	0.050	mg/L	365.1			
CLIENT ID: 18LIS033		Lal	D: R1807	7077-004					
Analyte	Results	Flag	MDL	MRL	Units	Method			
Alkalinity, Total as CaCO3	54.0 4	of 37	1.0	2.0	mg/L	SM 2320 B-1997 (2011)			



### **SAMPLE DETECTION SUMMARY**

CLIENT ID: 18LIS033		Lab ID: R1807077-004						
Analyte	Results	Flag	MDL	MRL	Units	Method		
Ammonia as Nitrogen, undistilled	0.0131		0.0008	0.0050	mg/L	ASTM D6919-09		
Carbon, Total Organic (TOC)	13.5		0.05	1.0	mg/L	SM 5310 C-2000 (2011)		
Chlorophyll A	35.7			1.1	ug/L	SM20 10200 H		
Color, True	190			10	ColorUnits	SM 2120 B-2001 (2011)		
Nitrate+Nitrite as Nitrogen	0.0028		0.0007	0.0020	mg/L	353.2		
Nitrogen, Total Kjeldahl (TKN)	5.36		80.0	0.10	mg/L	351.2		
pH of Color Analysis	9.75				pH Units	SM 2120 B-2001 (2011)		
Phosphorus, Total	0.262		0.020	0.050	mg/L	365.1		
CLIENT ID: 18LIS053 Diss		Lak	D: R1807	7077-005				
Analyte	Results	Flag	MDL	MRL	Units	Method		
Phosphorus, Dissolved	0.49		0.04	0.10	mg/L	365.1		
CLIENT ID: 18LIS057 Diss		Lak	D: R1807	7077-006				
Analyte	Results	Flag	MDL	MRL	Units	Method		
Phosphorus, Dissolved	0.36		0.04	0.10	mg/L	365.1		
CLIENT ID: 18LIS055 Diss		Lak	D: R1807	7077-007				
Analyte	Results	Flag	MDL	MRL	Units	Method		
Phosphorus, Dissolved	0.197		0.010	0.025	mg/L	365.1		
CLIENT ID: 18LIS033 Diss		Lak	D: R1807	7077-008				
Analyte	Results	Flag	MDL	MRL	Units	Method		
Phosphorus, Dissolved	0.0713		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 New York State DEC Service Request:R1807077

Project: LCI/LCI2018

Client:

### **SAMPLE CROSS-REFERENCE**

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u>	<u>TIME</u>
R1807077-001	18LIS053	7/26/2018	0930
R1807077-002	18LIS057	7/26/2018	1025
R1807077-003	18LIS055	7/26/2018	1135
R1807077-004	18LIS033	7/26/2018	1230
R1807077-005	18LIS053 Diss	7/26/2018	0930
R1807077-006	18LIS057 Diss	7/26/2018	1025
R1807077-007	18LIS055 Diss	7/26/2018	1135
R1807077-008	18LIS033 Diss	7/26/2018	1230

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	Project Na	me: LC	CI				Proje	ct N	umbo	er: [	_CI	201	8			NY	SDEC SD	G:
					Sampler Signature:						Sampler Phone No.:							
	Project M	anager	: Aler	e Onion			X Re Repor	port					agei	•			ill to Proj to: Jason Fa	<b>ect Manager</b> gel
New York State Department of	Address: 625 Broadway, 4 <sup>th</sup> Floor Albany, NY 12233-3502					Address:								Address: 625 Broadway, 4 <sup>th</sup> Floor Albany, NY 12233-3502				
Environmental Conservation –	Phone: (518)	402-8166					Phone	<del>,</del>								Pho	ne: 518-402	-8156
Division of Water	Email: alene	.onion@	)dec.n	y.gov	<del></del>		Email	:								Ema	il: Jason.fag	gel@dec.ny.gov
								Δna	lvse	es O	rde	red	(list	1				Preservative Codes:
Matrix Codes:  WW =:Wastewater				3			2		0		3		0				0	0,= Cool to < 6°C 1 = HCL
GW = Groundwater  AW = Ambient Water  SE = Sediment  SL = Sludge  T = Tissue  O = Other  NYSDEC  LCI Sample ID    Y	Collection Time	Matrix Code	റ <sup>െ</sup> ന്ന No. of Containers	TP, NH4, NOx, TKN	<u> </u>	Fe, Mn, As,	Ca, Mg, Na, K	Fe, Mn, As, Ca, Mg, Na, K	XX XX Color	XXX TOC	DOC	XXX X Alkalinity	SO4 & UV-254	SO4, CI	SO4, CI, UV-254	X X X X X X X X X X X X X X X X X X X	Chlorophyll a   Chlorophyll a	2 = HNO3 3 = H2SO4 4 = NaOH 5 = Zn. Acetate 6 = MeOH 7 = NaHSO4 8 = Other  Location Info  The Pond Turfle Band The Pool Worningside Pond
Special Analysis Instructions:						_/	_											
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Rollinguished by:	Oato:	Timo:	Roc	elved by L	aborato		- 6 0 7		Date	;		T	mo:	آ [	Prop	ple i erly ples	LCI	0ec// 5

ALS INZ	Cooler Recei	pt and Preservation	n Check Form	R1
ject/Client_NY31\f	cc-lc1	Folder Number		<u> </u>
ler received on 727-1	8 by ME	COURIER:	ALS (UPS) FEDEX	x V

R18070	77	5

Project/Client NYS.  Cooler received on 727	1/			1 0140	r Number_				_•			
	-18	by.112	/		COURIER:	ALS	UPS	FEDE	X VELO	CITY CL	IENT	
1 Were Custody seals of	n outside of cool	er?	(	YN	5a Perch	lorate	samples	have rec	quired head	space?	Y	V NA
2 Custody papers prop	erly completed (in	nk, signe	ed)?	Y N X	5b Did V	OA via	ls.(Alk.)	r Sulfide	e have sig*	bubbles?	Y O	DAD
3 Did all bottles arrive in	n good condition	(unbrok	(en)?	Y) N	6 When	e did the	bottles	originat	e? (	ALS/ROC	CLIE	NT_
4 Circle Wet Ice Dr				Y) N	Ł		eived as	-	ılk Enc	ore 503	5set (1	(A)
3. Temperature Readings	Date: 7-27-		-	69:45	) ID:	1D#7	) IR#9		From:	emp Blank	Same	ole Bottle
	Date. Trail	10	i inie.	. 01. 12	<u> </u>	IK#/	711/49		11011.	Chip Dians	Jami	
Observed Temp (°C) Correction Factor (°C)	10.2											<del></del>
Corrected Temp (°C)	+1.0											
Temp from: Type of bottle	ili3 centrul	<i>w</i>						<del></del>			+	
Within 0-6°C?	Cerrini	<del>-</del>	7.7	N.T.	37 37	- 37	NT.	3.7	<u> </u>	77 NI	Y	
	Y(N	<u> </u>		N	YN	Y	N		N	Y N		
If <0°C, were samples fro	zen? Y N	<u> </u>	Y	N	Y N	<u>Y</u>	N		N	Y N	<u> Y</u>	
If out of Temperature	, note packing/i	ce condi								KK (Wols	Same I	Day Rule
&Client Approval to	Run Samples:		Stan	ding App	roval Client	t aware	at drop-	off Cl	ient notifie	ed by:		
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All samples held in stora 5035 samples placed in s		14002		ολ -1/ <u>1/</u>	on ( <u>-471)</u>	o_ at	1110					
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A	Cassettes / Tubes	Intact v	with N ved?	1S? Ca	nisters Pressur		Sampl	e ID	Bags Inflat Vol.		N/A N/A led	
pH Lot of test paper ≥12	Cassettes / Tubes Reagent	Intact v	with N ved?	1S? Ca	nisters Pressureived		Sampl	e ID	Bags Inflat Vol.		Ied	
pH Lot of test paper ≥12	Cassettes / Tubes Reagent NaOH	Intact v	with M ved? No	1S? Ca	nisters Pressur eived		Sampl	e ID	Bags Inflat Vol.		ON/A N/A Iled	
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pH Lot of test paper  ≥12  ≤2  ≤2  <4  5-9  Residual Chlorine (-)  Bottle lot numbers: Explain all Discrepance	Cassettes / Tubes Reagent  NaOH HNO3 H2SO4 NaHSO4 For 608pest For CN, Phenol, 625, 608pest, 522 Na2S2O3 ZnAcetate HCl	Presen Yes  **	with M ved? No - **	AS? Ca Lot Rec  JHB007/ No=Noti If+, contr Na2S2O3 (CN), asco	nisters Pressureived  // /90642  fy for 3day act PM to add (625, 608,	Exp U/19	**VOA: Otherwiare chec	e ID ed s and 1664 se, all bot ked (not j	Vol. Added  4 Not to be tetles of all sarust represented.	Lot Add	nalysis. emical pre	pH/ pservatives  JLK DT JFB 3541
pH Lot of test paper  ≥12  ≤2  ≤2  <4  5-9  Residual Chlorine (-)  Bottle lot numbers: Explain all Discrepanc	Cassettes / Tubes Reagent  NaOH HNO3 H <sub>2</sub> SO <sub>4</sub> NaHSO <sub>4</sub> For 608pest For CN, Phenol, 625, 608pest, 522 Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ZnAcetate HCl  P-072-00/, ies/Other Comm	Presen Yes  **	with M ved? No	AS? Ca Lot Rec  JHB007/ No=Noti If+, contr Na2S2O3 (CN), asco	nisters Pressureived  // /90642  fy for 3day act PM to add (625, 608,	Exp U/19	**VOA: Otherwiare chec	e ID ed s and 1664 se, all bot ked (not j	Vol. Added  4 Not to be tetles of all sarust represented.	Lot Add	nalysis. emical pre	pH p
pH Lot of test paper  ≥12  ≤2  ≤2  <4  5-9  Residual Chlorine (-)  Bottle lot numbers: Explain all Discrepanc	Cassettes / Tubes Reagent  NaOH HNO3 H <sub>2</sub> SO <sub>4</sub> NaHSO <sub>4</sub> For 608pest For CN, Phenol, 625, 608pest, 522 Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ZnAcetate HCl  P-072-00/, ies/Other Comm	Presen Yes  **	with M ved? No	AS? Ca Lot Rec  JHB007/ No=Noti If+, contr Na2S2O3 (CN), asco	nisters Pressureived  // /90642  fy for 3day act PM to add (625, 608,	Exp U/19	**VOA: Otherwiare chec	e ID ed s and 1664 se, all bot ked (not j	Vol. Added  4 Not to be tetles of all sarust represented.	Lot Add	malysis. emical pre  RES BU FL ROD HC S LL SU MA	pH/ pservatives  JLK DT JFB 3541
pH Lot of test paper  ≥12  ≤2  ≤2  <4  5-9  Residual Chlorine (-)  Bottle lot numbers: Explain all Discrepance	Cassettes / Tubes Reagent  NaOH HNO3 H <sub>2</sub> SO <sub>4</sub> NaHSO <sub>4</sub> For 608pest For CN, Phenol, 625, 608pest, 522 Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ZnAcetate HCl  P-072-00/, ies/Other Comm	Presen Yes  **	with M ved? No	AS? Ca Lot Rec  JHB007/ No=Noti If+, contr Na2S2O3 (CN), asco	nisters Pressureived  // /90642  fy for 3day act PM to add (625, 608,	Exp U/19	**VOA: Otherwiare chec	e ID ed s and 1664 se, all bot ked (not j	Vol. Added  4 Not to be tetles of all sarust represented.	Lot Add	malysis. emical pre  RES BU FL ROD HC S LL SU MA	pH p
pH Lot of test paper  ≥12  ≤2  ≤2  <4  5-9  Residual Chlorine (-)  Bottle lot numbers: Explain all Discrepanc	Cassettes / Tubes Reagent  NaOH HNO3 H2SO4 NaHSO4 For 608pest For CN, Phenol, 625, 608pest, 522 Na2S2O3 ZnAcetate HCl  P-072-00/, ies/ Other Comm	Presen Yes  **	with M ved? No	AS? Ca Lot Rec  JHB007/ No=Noti If+, contr Na2S2O3 (CN), asco	nisters Pressureived  // /90642  fy for 3day act PM to add (625, 608,	Exp U/19	**VOA: Otherwiare chec	e ID ed s and 1664 se, all bot ked (not j	Vol. Added  4 Not to be tetles of all sar	Lot Add	malysis. emical pre  RES BU FL ROD HC S LL SU MA	pH p

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

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

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



#### Rochester Lab ID # for State Certifications<sup>1</sup>

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

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

### **ALS Laboratory Group**

### **Acronyms**

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

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

NA Not Applicable NC Not Calculated

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

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

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

greater than or equal to the MDL.

Client: New York State DEC Service Request: R1807077

**Project:** LCI/LCI2018

**Non-Certified Analytes** 

Certifying Agency: New York Department of Health

MethodMatrixAnalyteSM20 10200 HWaterChlorophyll A

Analyst Summary report

Client: New York State DEC Service Request: R1807077

**Project:** LCI/LCI2018

 Sample Name:
 18LIS053
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-001
 Date Received:
 07/27/18

Sample Matrix: Water

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

 Sample Name:
 18LIS057
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-002
 Date Received:
 07/27/18

Sample Matrix: Water

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

 Sample Name:
 18LIS055
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-003
 Date Received:
 07/27/18

Sample Matrix: Water

Analysis Method	Extracted/Digested By	<b>Analyzed By</b>
351.2	NSMITH	CWOODS
353.2		GNITAJOUPPI
365.1	MROGERSON	GNITAJOUPPI
ASTM D6919-09		AMOSES

Printed 8/21/2018 10:01:15 AM

Analyst Summary report

Client: New York State DEC

**Project:** LCI/LCI2018

Service Request: R1807077

 Sample Name:
 18LIS055
 Date Collected: 07/26/18

 Lab Code:
 R1807077-003
 Date Received: 07/27/18

Sample Matrix: Water

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

 Sample Name:
 18LIS033
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-004
 Date Received:
 07/27/18

Sample Matrix: Water

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

 Sample Name:
 18LIS053 Diss
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-005
 Date Received:
 07/27/18

Sample Matrix: Water

Analysis MethodExtracted/Digested ByAnalyzed By365.1MROGERSONGNITAJOUPPI

Analyst Summary report

**Client:** New York State DEC

**Project:** LCI/LCI2018

Service Request: R1807077

Sample Name: 18LIS057 Diss Lab Code: R1807077-006

Sample Matrix: Water

**Analysis Method** 

365.1

**Date Collected:** 07/26/18 **Date Received:** 07/27/18

Extracted/Digested By Analyzed By

MROGERSON GNITAJOUPPI

 Sample Name:
 18LIS055 Diss
 Date Collected:
 07/26/18

 Lab Code:
 R1807077-007
 Date Received:
 07/27/18

Sample Matrix: Water

Analysis Method Extracted/Digested By Analyzed By

365.1 MROGERSON GNITAJOUPPI

 Sample Name:
 18LIS033 Diss
 Date Collected: 07/26/18

 Lab Code:
 R1807077-008
 Date Received: 07/27/18

Lab Code: R1807077-008 Date Received: 07/27/18
Sample Matrix: Water

Analysis Method Extracted/Digested By Analyzed By

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

### Solid/Soil/Non-Aqueous Matrix

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

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



# Sample Results

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



## **General Chemistry**

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

Analytical Report

**Client:** New York State DEC

Service Request: R1807077 **Date Collected:** 07/26/18 09:30 **Project:** LCI/LCI2018

**Date Received:** 07/27/18 09:30 **Sample Matrix:** Water

**Sample Name:** 18LIS053 Basis: NA

Lab Code: R1807077-001

### **Inorganic Parameters**

						Date	
Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
SM 2320 B-1997(2011)	39.2	mg/L	2.0	1	08/06/18 18:56	NA	
ASTM D6919-09	0.436	mg/L	0.050	10	08/08/18 00:00	NA	
SM 5310 C-2000(2011)	6.2	mg/L	1.0	1	08/07/18 02:27	NA	
SM20 10200 H	125	ug/L	3.2	20	08/14/18 11:00	NA	
SM 2120 B-2001(2011)	80.0	ColorUnits	5.0	5	07/28/18 08:00	NA	
353.2	0.0830	mg/L	0.0020	1	08/17/18 14:11	NA	
351.2	1.65	mg/L	0.10	1	08/14/18 15:51	08/13/18	
SM 2120 B-2001(2011)	7.59	pH Units	-	5	07/28/18 08:40	NA	
365.1	0.74	mg/L	0.10	20	08/15/18 20:03	08/10/18	
	SM 2320 B-1997(2011) ASTM D6919-09 SM 5310 C-2000(2011) SM20 10200 H SM 2120 B-2001(2011) 353.2 351.2 SM 2120 B-2001(2011)	SM 2320 B-1997(2011)       39.2         ASTM D6919-09       0.436         SM 5310 C-2000(2011)       6.2         SM20 10200 H       125         SM 2120 B-2001(2011)       80.0         353.2       0.0830         351.2       1.65         SM 2120 B-2001(2011)       7.59	SM 2320 B-1997(2011)         39.2         mg/L           ASTM D6919-09         0.436         mg/L           SM 5310 C-2000(2011)         6.2         mg/L           SM20 10200 H         125         ug/L           SM 2120 B-2001(2011)         80.0         ColorUnits           353.2         0.0830         mg/L           351.2         1.65         mg/L           SM 2120 B-2001(2011)         7.59         pH Units	SM 2320 B-1997(2011)         39.2         mg/L         2.0           ASTM D6919-09         0.436         mg/L         0.050           SM 5310 C-2000(2011)         6.2         mg/L         1.0           SM20 10200 H         125         ug/L         3.2           SM 2120 B-2001(2011)         80.0         ColorUnits         5.0           353.2         0.0830         mg/L         0.0020           351.2         1.65         mg/L         0.10           SM 2120 B-2001(2011)         7.59         pH Units         -	SM 2320 B-1997(2011)         39.2         mg/L         2.0         1           ASTM D6919-09         0.436         mg/L         0.050         10           SM 5310 C-2000(2011)         6.2         mg/L         1.0         1           SM20 10200 H         125         ug/L         3.2         20           SM 2120 B-2001(2011)         80.0         ColorUnits         5.0         5           353.2         0.0830         mg/L         0.0020         1           351.2         1.65         mg/L         0.10         1           SM 2120 B-2001(2011)         7.59         pH Units         -         5	SM 2320 B-1997(2011)         39.2         mg/L         2.0         1         08/06/18 18:56           ASTM D6919-09         0.436         mg/L         0.050         10         08/08/18 00:00           SM 5310 C-2000(2011)         6.2         mg/L         1.0         1         08/07/18 02:27           SM20 10200 H         125         ug/L         3.2         20         08/14/18 11:00           SM 2120 B-2001(2011)         80.0         ColorUnits         5.0         5         07/28/18 08:00           353.2         0.0830         mg/L         0.0020         1         08/17/18 14:11           351.2         1.65         mg/L         0.10         1         08/14/18 15:51           SM 2120 B-2001(2011)         7.59         pH Units         -         5         07/28/18 08:40	Analysis Method         Result         Units         MRL         Dil.         Date Analyzed         Extracted           SM 2320 B-1997(2011)         39.2         mg/L         2.0         1         08/06/18 18:56         NA           ASTM D6919-09         0.436         mg/L         0.050         10         08/08/18 00:00         NA           SM 5310 C-2000(2011)         6.2         mg/L         1.0         1         08/07/18 02:27         NA           SM20 10200 H         125         ug/L         3.2         20         08/14/18 11:00         NA           SM 2120 B-2001(2011)         80.0         ColorUnits         5.0         5         07/28/18 08:00         NA           353.2         0.0830         mg/L         0.0020         1         08/17/18 14:11         NA           351.2         1.65         mg/L         0.10         1         08/14/18 15:51         08/13/18           SM 2120 B-2001(2011)         7.59         pH Units         -         5         07/28/18 08:40         NA

Analytical Report

**Client:** New York State DEC

Service Request: R1807077 **Date Collected:** 07/26/18 10:25 **Project:** LCI/LCI2018

**Date Received:** 07/27/18 09:30 **Sample Matrix:** Water

**Sample Name:** 18LIS057 Basis: NA

Lab Code: R1807077-002

### **Inorganic Parameters**

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	17.2	mg/L	2.0	1	08/06/18 19:01	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	10	08/08/18 00:16	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	5.1	mg/L	1.0	1	08/07/18 02:48	NA	
Chlorophyll A	SM20 10200 H	134	ug/L	3.2	20	08/14/18 11:00	NA	
Color, True	SM 2120 B-2001(2011)	33.0	ColorUnits	1.0	1	07/28/18 08:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0110	mg/L	0.0020	1	08/17/18 14:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.16	mg/L	0.10	1	08/14/18 15:52	08/13/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.57	pH Units	-	1	07/28/18 08:40	NA	
Phosphorus, Total	365.1	0.48	mg/L	0.10	20	08/15/18 20:04	08/10/18	

Analytical Report

**Client:** New York State DEC

**Project:** LCI/LCI2018 **Date Collected:** 07/26/18 11:35

Sample Matrix: Water Date Received: 07/27/18 09:30

Sample Name: 18LIS055 Basis: NA

**Lab Code:** R1807077-003

### **Inorganic Parameters**

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	38.4	mg/L	2.0	1	08/06/18 19:05	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.170	mg/L	0.050	10	08/08/18 00:32	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	7.4	mg/L	1.0	1	08/07/18 03:09	NA	
Chlorophyll A	SM20 10200 H	8.38	ug/L	0.64	4	08/14/18 11:00	NA	
Color, True	SM 2120 B-2001(2011)	85.0	ColorUnits	5.0	5	07/28/18 08:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.282	mg/L	0.0020	1	08/17/18 14:18	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.86	mg/L	0.10	1	08/14/18 15:53	08/13/18	
pH of Color Analysis	SM 2120 B-2001(2011)	7.35	pH Units	-	5	07/28/18 08:40	NA	
Phosphorus, Total	365.1	0.239	mg/L	0.050	10	08/15/18 20:06	08/10/18	

Analytical Report

**Client:** New York State DEC

**Project:** LCI/LCI2018 **Date Collected:** 07/26/18 12:30

Sample Matrix: Water Date Received: 07/27/18 09:30

Sample Name: 18LIS033 Basis: NA

**Lab Code:** R1807077-004

### **Inorganic Parameters**

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	54.0	mg/L	2.0	1	08/06/18 19:10	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0131	mg/L	0.0050	1	08/08/18 18:28	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	13.5	mg/L	1.0	1	08/07/18 03:30	NA	
Chlorophyll A	SM20 10200 H	35.7	ug/L	1.1	2	08/14/18 11:00	NA	
Color, True	SM 2120 B-2001(2011)	190	ColorUnits	10	10	07/28/18 08:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0028	mg/L	0.0020	1	08/17/18 14:19	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.36	mg/L	0.10	1	08/14/18 15:53	08/13/18	
pH of Color Analysis	SM 2120 B-2001(2011)	9.75	pH Units	-	10	07/28/18 08:40	NA	
Phosphorus, Total	365.1	0.262	mg/L	0.050	10	08/15/18 20:07	08/10/18	

Analytical Report

**Client:** New York State DEC

Water

**Project:** LCI/LCI2018

**Date Collected:** 07/26/18 09:30

Service Request: R1807077

**Date Received:** 07/27/18 09:30

**Sample Name:** 

**Sample Matrix:** 

18LIS053 Diss

Basis: NA

Lab Code: R1807077-005

### **Inorganic Parameters**

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Phosphorus Dissolved	365.1	0.49	mo/I	0.10	20	08/15/18 19:08	08/10/18	

Analytical Report

**Client:** New York State DEC

**Project:** LCI/LCI2018 **Date Collected:** 07/26/18 10:25

Sample Matrix: Water Date Received: 07/27/18 09:30

Sample Name: 18LIS057 Diss Basis: NA

**Lab Code:** R1807077-006

### **Inorganic Parameters**

**Analysis Analyte Name** Method Result Units MRL Dil. **Date Analyzed Date Extracted** 0.36 08/15/18 19:09 08/10/18 Phosphorus, Dissolved 365.1 mg/L 0.10 20

Analytical Report

**Client:** New York State DEC

**Project:** LCI/LCI2018 **Date Collected:** 07/26/18 11:35

Sample Matrix: Water Date Received: 07/27/18 09:30

Sample Name: 18LIS055 Diss Basis: NA

**Lab Code:** R1807077-007

### **Inorganic Parameters**

**Analysis Analyte Name** Method Result Units MRL Dil. **Date Analyzed Date Extracted** 0.197 08/15/18 19:11 08/10/18 Phosphorus, Dissolved 365.1 mg/L 0.025

Analytical Report

**Client:** New York State DEC

Project: LCI/LCI2018 Date Collected: 07/26/18 12:30

Sample Matrix: Water Date Received: 07/27/18 09:30

Sample Name: 18LIS033 Diss Basis: NA

**Lab Code:** R1807077-008

### **Inorganic Parameters**

**Analysis Analyte Name** Method Result Units MRL Dil. **Date Analyzed Date Extracted** 0.0713 08/15/18 17:09 08/10/18 Phosphorus, Dissolved 365.1 mg/L 0.0050



# **QC Summary Forms**

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



## **General Chemistry**

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

### Analytical Report

Client: New York State DEC

New York State DEC

Service Request: R1807077

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

Sample Name: Method Blank Basis: NA

**Lab Code:** R1807077-MB1

### **Inorganic Parameters**

						Date	
Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/06/18 17:38	NA	
ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/07/18 20:16	NA	
SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	08/07/18 00:22	NA	
SM20 10200 H	0.40 U	ug/L	0.40	1	08/14/18 11:00	NA	
353.2	0.0020 U	mg/L	0.0020	1	08/17/18 13:56	NA	
351.2	0.10 U	mg/L	0.10	1	08/14/18 15:38	08/13/18	
365.1	0.0050 U	mg/L	0.0050	1	08/15/18 16:54	08/10/18	
365.1	0.0050 U	mg/L	0.0050	1	08/15/18 18:43	08/10/18	
	SM 2320 B-1997(2011) ASTM D6919-09 SM 5310 C-2000(2011) SM20 10200 H 353.2 351.2 365.1	SM 2320 B-1997(2011)       2.0 U         ASTM D6919-09       0.0050 U         SM 5310 C-2000(2011)       1.0 U         SM20 10200 H       0.40 U         353.2       0.0020 U         351.2       0.10 U         365.1       0.0050 U	SM 2320 B-1997(2011)       2.0 U mg/L         ASTM D6919-09       0.0050 U mg/L         SM 5310 C-2000(2011)       1.0 U mg/L         SM20 10200 H       0.40 U ug/L         353.2       0.0020 U mg/L         351.2       0.10 U mg/L         365.1       0.0050 U mg/L	SM 2320 B-1997(2011)         2.0 U         mg/L         2.0           ASTM D6919-09         0.0050 U         mg/L         0.0050           SM 5310 C-2000(2011)         1.0 U         mg/L         1.0           SM20 10200 H         0.40 U         ug/L         0.40           353.2         0.0020 U         mg/L         0.0020           351.2         0.10 U         mg/L         0.10           365.1         0.0050 U         mg/L         0.0050	SM 2320 B-1997(2011)       2.0 U mg/L       2.0 1         ASTM D6919-09       0.0050 U mg/L       0.0050 U         SM 5310 C-2000(2011)       1.0 U mg/L       1.0 1         SM20 10200 H       0.40 U ug/L       0.40 1         353.2       0.0020 U mg/L       0.0020 1         351.2       0.10 U mg/L       0.10 U         365.1       0.0050 U mg/L       0.0050 I	SM 2320 B-1997(2011)       2.0 U       mg/L       2.0       1       08/06/18 17:38         ASTM D6919-09       0.0050 U       mg/L       0.0050       1       08/07/18 20:16         SM 5310 C-2000(2011)       1.0 U       mg/L       1.0       1       08/07/18 00:22         SM20 10200 H       0.40 U       ug/L       0.40       1       08/14/18 11:00         353.2       0.0020 U       mg/L       0.0020       1       08/17/18 13:56         351.2       0.10 U       mg/L       0.10       1       08/14/18 15:38         365.1       0.0050 U       mg/L       0.0050       1       08/15/18 16:54	Analysis Method         Result         Units         MRL         Dil.         Date Analyzed         Extracted           SM 2320 B-1997(2011)         2.0 U         mg/L         2.0 I         08/06/18 17:38         NA           ASTM D6919-09         0.0050 U         mg/L         0.0050 I         08/07/18 20:16         NA           SM 5310 C-2000(2011)         1.0 U         mg/L         1.0 I         08/07/18 00:22         NA           SM20 10200 H         0.40 U         ug/L         0.40 I         08/14/18 11:00         NA           353.2         0.0020 U         mg/L         0.0020 I         08/17/18 13:56         NA           351.2         0.10 U         mg/L         0.10 I         08/14/18 15:38         08/13/18           365.1         0.0050 U         mg/L         0.0050 I         08/15/18 16:54         08/10/18

Analytical Report

Client: New York State DEC

Service Request: R1807077

**Project:** LCI/LCI2018

Date Collected: NA

Sample Matrix: Water

Date Received: NA

Sample Name:

Method Blank

Basis: NA

**Lab Code:** R1807077-MB2

### **Inorganic Parameters**

Analyte Name	<b>Analysis Method</b>	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	08/08/18 16:51	

QA/QC Report

**Client:** New York State DEC **Project:** 

LCI/LCI2018

Water

**Service Request:** 

R1807077

**Date Collected:** 

07/26/18

**Date Received:** 

07/27/18

Date Analyzed:

08/17/18

**Duplicate Matrix Spike Summary** 

Nitrate+Nitrite as Nitrogen

**Sample Name:** 18LIS053

R1807077-001

**Units:** 

mg/L

**Basis:** 

NA

**Analysis Method:** 353.2

**Sample Matrix:** 

Lab Code:

**Matrix Spike** R1807077-001MS **Duplicate Matrix Spike** 

R1807077-001DMS

	Sample		Spike			Spike		% Rec		RPD
Analyte Name	Result	Result	Amount	% Rec	Result	Amount	% Rec	Limits	RPD	Limit
Nitrate+Nitrite as Nitrogen	0.0830	0.551	0.500	94	0.551	0.500	94	75-125	<1	20

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

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

QA/QC Report

Client: New York State DEC

**Project:** LCI/LCI2018

Sample Matrix: Water

**Service Request:** 

R1807077

**Date Collected:** 

07/26/18

**Date Received:** 

07/27/18

Date Analyzed: Date Extracted: 08/15/18 08/10/18

**Duplicate Matrix Spike Summary** 

Phosphorus, Total

**Sample Name:** 18LIS033

**Lab Code:** R1807077-004

Analysis Method: Prep Method:

365.1

Method

Units:

mg/L

Basis:

NA

**Matrix Spike** R1807077-004MS **Duplicate Matrix Spike** 

R1807077-004DMS

% Rec **RPD** Sample Spike **Spike** Analyte Name Result Result Amount % Rec Result Amount % Rec Limits **RPD** Limit Phosphorus, Total 0.262 0.309 0.025 186# 0.309 0.025 188# 20 75-125

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

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

### ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: New York State DEC

Water

Project LCI/LCI2018

**Sample Matrix:** 

Sample Name:

**Date Collected:** 07/26/18

**Date Received:** 07/27/18

Service Request: R1807077

**Date Analyzed:** 07/28/18

Units: ColorUnits

Replicate Sample Summary

**General Chemistry Parameters** 

18LIS033

**Lab Code:** R1807077-004 **Basis:** NA

Duplicate Sample

R1807077-

Sample 004DUP

Analyte NameAnalysis MethodMRLResultResultAverageRPDRPD LimitColor, TrueSM 2120 B-2001(2011)10190190190<1</td>5

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

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

#### ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: New York State DEC

Water

R1807077-004

**Project** LCI/LCI2018

**Sample Matrix:** 

Lab Code:

Service Request: R1807077

**Date Collected:** 07/26/18

**Date Received:** 07/27/18

**Date Analyzed:** 07/28/18

**Replicate Sample Summary** 

**General Chemistry Parameters** 

Sample Name: 18LIS033

Units: pH Units Basis: NA

**Duplicate** 

Sample

R1807077-

Sample **004DUP** 

**Analysis Method** Result RPD Limit **Analyte Name MRL** Result Average pH of Color Analysis SM 2120 B-2001(2011) 9.75 9.75 9.75

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

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

QA/QC Report

Client: New York State DEC

**Project:** LCI/LCI2018

**Sample Matrix:** Water

Service Request: R1807077

**Date Analyzed:** 08/06/18 - 08/17/18

**Lab Control Sample Summary General Chemistry Parameters** 

Units:mg/L Basis:NA

### **Lab Control Sample**

R1807077-LCS1

Analyte Name	<b>Analytical Method</b>	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	17.6	20.0	88	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.482	0.500	96	70-130
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.3	10.0	103	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.505	0.500	101	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.28	2.50	91	70-130
Phosphorus, Dissolved	365.1	0.0233	0.0250	93	70-130
Phosphorus, Total	365.1	0.0233	0.0250	93	70-130

QA/QC Report

Client: New York State DEC

**Project:** LCI/LCI2018

Sample Matrix: Water

Service Request: R1807077 Date Analyzed: 08/08/18

**Lab Control Sample Summary General Chemistry Parameters** 

Units:mg/L Basis:NA

Lab Control Sample

R1807077-LCS2

Analyte Name	<b>Analytical Method</b>	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.486	0.500	97	70-130