



September 28, 2018

Service Request No:R1808653

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 September 11, 2018
For your reference, these analyses have been assigned our service request number **R1808653**.

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: R1808653
Date Received: 09/11/2018

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:

Three water samples were received for analysis at ALS Environmental on 09/11/2018. 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.

This report has been revised to update the sample IDs from "19" to "18".



Approved by _____

Date 09/28/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: 19PKTP19FW	Lab ID: R1808653-001
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	65.6		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0100		0.0008	0.0050	mg/L	ASTM D6919-09
Nitrogen, Total Kjeldahl (TKN)	0.81		0.08	0.10	mg/L	351.2
Phosphorus, Total	0.0095		0.0020	0.0050	mg/L	365.1

CLIENT ID: 19PKTP18DS	Lab ID: R1808653-002
------------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	66.0		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.0073		0.0008	0.0050	mg/L	ASTM D6919-09
Nitrogen, Total Kjeldahl (TKN)	0.80		0.08	0.10	mg/L	351.2
Phosphorus, Total	0.0092		0.0020	0.0050	mg/L	365.1

CLIENT ID: 19PKTP18DD	Lab ID: R1808653-003
------------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	5.43		0.0008	0.0050	mg/L	ASTM D6919-09
Nitrate+Nitrite as Nitrogen	0.0060		0.0007	0.0020	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	5.57		0.08	0.10	mg/L	351.2
Phosphorus, Total	0.87		0.10	0.25	mg/L	365.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory

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

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Client: New York State DEC
Project: LCI 2018/PK2018

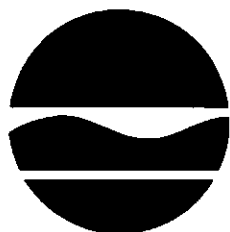
Service Request:R1808653

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1808653-001	19PKTP19FW	9/6/2018	1032
R1808653-002	19PKTP18DS	9/6/2018	0957
R1808653-003	19PKTP18DD	9/6/2018	1003

CHAIN OF CUSTODY

Page 1 of 1



New York State Department of
Environmental Conservation –
Division of Water

Project Name: LCI

Project Number: PK2018

NYSDEC SDG:

Sampler Collector:

Hunter Ackerman

Sampler Signature:

[Signature]

Sampler Phone No.:

Project Manager: Scott Kishbaugh

☒ Report to Project Manager

☐ Bill to Project Manager

Report to: Alene Onion

Bill to: Jason Fagel

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

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

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

Phone: (518) 402-8286

Phone: (518) 402-8166

Phone: 518-402-8156

Email: scott.kishbaugh@dec.ny.gov

Email: alene.onion@dec.ny.gov

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 _____

Location Info

Matrix Codes: WW = Wastewater GW = Groundwater AW = Ambient Water SE = Sediment SL = Sludge T = Tissue O = Other _____	Collection Date	Collection Time	Matrix Code	No. of Containers	Analyses Ordered (list)														Preservative Codes:	
					3			2			0	3			0			0		0 = Cool to < 6°C 1 = HCL 2 = HNO ₃ 3 = H ₂ SO ₄ 4 = NaOH 5 = Zn. Acetate 6 = MeOH 7 = NaHSO ₄ 8 = Other _____
					NH ₃ , TKN, NO _x , TP	TP			ANC				ANC		Alkalinity				Chlorophyll a Vol (ml)	
NYSDEC LCI Sample ID																	Location Info			
18PKTP19FW	9/6/2018	10:32	AW		X												Rockland Lake SP			
18PKTP19FW	9/6/2018	10:32	AW										X				Rockland Lake SP			
18PKTP18DS	9/6/2018	9:57	AW		X												Rockland Lake SP			
18PKTP18DS	9/6/2018	9:57	AW										X				Rockland Lake SP			
18PKTP18DD	9/6/2018	10:03	AW		X												Rockland Lake SP			

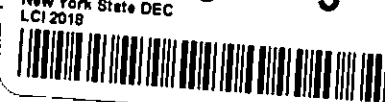
Special Analysis Instructions:

Relinquished by Sampler:	Date:	Time:	Received by:	Date:	Time:	Laboratory Receipt Notes:
Relinquished by: <i>Hunter Ackerman</i>	Date: 9/10/18	Time: 11:06	Received by: <i>[Signature]</i>	Date: 9/10/18	Time: 11:06 am	
Relinquished by: <i>[Signature]</i>	Date: 9/10/18	Time: 1600	Received by Laboratory: <i>[Signature]</i>	Date: 9/11/18	Time: 0915	

Sample To
Property P
Samples I

R1808653
New York State DEC
LCI 2018

5





Cooler Receipt and Preservation Check Form

R1808653

New York State DEC
LCI 2018

5

Project/Client _____

Folder Number _____

Cooler received on 9/11/18by: @COURIER: ALS UPS REDEX VELOCITY CLIENT

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

5a	Perchlorate samples have required headspace?	Y N <u>(NA)</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>(Y)</u> N 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: 9/11/18Time: 0925ID: IR#7 IR#910From: (Temp Blank)

Sample Bottle

Observed Temp (°C)	<u>1.9</u>						
Correction Factor (°C)	<u>+0.4</u>						
Corrected Temp (°C)	<u>2.3</u>						
Temp from: Type of bottle	<u>Cust tubes</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: ROC by @ on 9/11/18 at 0936
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 9/11/18 Time: 1440 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
 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	<u>209378</u>	H ₂ SO ₄	<u>✓</u>		<u>B260002C</u>	<u>5/70</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: all vials
 Explain all Discrepancies/ Other Comments:

headspace: TB - all vials
 001 - 2 vials 005 - 1 vial
 002 - 1 vial 006 - 1 vial
 003 - 1 vial
 004 - 2 vials

Labels secondary reviewed by: @PC Secondary Review: 9/13/18

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

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



Miscellaneous Forms

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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 "Notes" 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 "immediate" 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.

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dba ALS Environmental

Analyst Summary report

Client: New York State DEC
Project: LCI 2018/PK2018

Service Request: R1808653

Sample Name: 19PKTP19FW
Lab Code: R1808653-001
Sample Matrix: Water

Date Collected: 09/6/18
Date Received: 09/11/18

Analysis Method

351.2
353.2
365.1
ASTM D6919-09
SM 2320 B-1997(2011)

Extracted/Digested By

NSMITH

MROGERSON

Analyzed By

CWOODS
MROGERSON
MROGERSON
AMOSSES
CWOODS

Sample Name: 19PKTP18DS
Lab Code: R1808653-002
Sample Matrix: Water

Date Collected: 09/6/18
Date Received: 09/11/18

Analysis Method

351.2
353.2
365.1
ASTM D6919-09
SM 2320 B-1997(2011)

Extracted/Digested By

NSMITH

MROGERSON

Analyzed By

CWOODS
MROGERSON
MROGERSON
AMOSSES
CWOODS

Sample Name: 19PKTP18DD
Lab Code: R1808653-003
Sample Matrix: Water

Date Collected: 09/6/18
Date Received: 09/11/18

Analysis Method

351.2
353.2
365.1
ASTM D6919-09

Extracted/Digested By

NSMITH

MROGERSON

Analyzed By

CWOODS
MROGERSON
MROGERSON
AMOSSES



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

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

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

www.alsglobal.com



General Chemistry

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dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water

Sample Name: 19PKTP19FW
Lab Code: R1808653-001

Service Request: R1808653
Date Collected: 09/06/18 10:32
Date Received: 09/11/18 09:15

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)	65.6	mg/L	2.0	1	09/17/18 18:29	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0100	mg/L	0.0050	1	09/18/18 14:32	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	09/17/18 18:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.81	mg/L	0.10	1	09/24/18 18:29	09/21/18	
Phosphorus, Total	365.1	0.0095	mg/L	0.0050	1	09/21/18 17:13	09/19/18	

ALS Group USA, Corp.
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Analytical Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water
Sample Name: 19PKTP18DS
Lab Code: R1808653-002

Service Request: R1808653
Date Collected: 09/06/18 09:57
Date Received: 09/11/18 09:15
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)	66.0	mg/L	2.0	1	09/17/18 18:43	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0073	mg/L	0.0050	1	09/19/18 06:18	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	09/17/18 18:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.80	mg/L	0.10	1	09/24/18 18:29	09/21/18	
Phosphorus, Total	365.1	0.0092	mg/L	0.0050	1	09/21/18 17:14	09/19/18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water

Sample Name: 19PKTP18DD
Lab Code: R1808653-003

Service Request: R1808653
Date Collected: 09/06/18 10:03
Date Received: 09/11/18 09:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.43	mg/L	0.0050	1	09/18/18 15:04	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0060	mg/L	0.0020	1	09/17/18 18:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.57	mg/L	0.10	1	09/24/18 18:30	09/21/18	
Phosphorus, Total	365.1	0.87	mg/L	0.25	50	09/21/18 18:02	09/19/18	



QC Summary Forms

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dba ALS Environmental

Analytical Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1808653-MB1

Service Request: R1808653
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	09/17/18 15:29	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	09/18/18 14:00	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.0020 U	mg/L	0.0020	1	09/17/18 18:17	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.10 U	mg/L	0.10	1	09/24/18 18:25	09/21/18	
Phosphorus, Total	365.1	0.0050 U	mg/L	0.0050	1	09/21/18 16:47	09/19/18	

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Analytical Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1808653-MB2

Service Request: R1808653
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U mg/L	0.0050	1	09/19/18 02:50	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water

Service Request: R1808653
Date Analyzed: 09/17/18 - 09/24/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1808653-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	21.2	20.0	106	70-130
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.549	0.500	110	70-130
Nitrate+Nitrite as Nitrogen	353.2	0.531	0.500	106	70-130
Nitrogen, Total Kjeldahl (TKN)	351.2	2.31	2.50	92	70-130
Phosphorus, Total	365.1	0.0247	0.0250	99	70-130

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: New York State DEC
Project: LCI 2018/PK2018
Sample Matrix: Water

Service Request: R1808653
Date Analyzed: 09/19/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1808653-LCS2

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

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dba ALS Environmental

QA/QC Report

Client: New York State DEC
Project: LCI 2018/PK2018

Service Request:R1808653

Continuing Calibration Blank (CCB) Summary
Ammonia as Nitrogen, undistilled

Analysis Method: ASTM D6919-09

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	607265	RQ1809914-10	09/18/18 14:00	0.0050	0.0050	U
CCB2	607265	RQ1809914-11	09/18/18 17:12	0.0050	0.0050	U
CCB3	607265	RQ1809914-12	09/18/18 20:25	0.0050	0.0050	U
CCB4	607269	RQ1809917-10	09/19/18 02:50	0.0050	0.0050	U
CCB5	607269	RQ1809917-11	09/19/18 06:02	0.0050	0.0050	U
CCB6	607269	RQ1809917-12	09/19/18 09:15	0.0050	0.0050	U

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Continuing Calibration Blank (CCB) Summary
Nitrate+Nitrite as Nitrogen

Analysis Method: 353.2

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	607038	RQ1809814-02	09/17/18 18:17	0.0020	0.0020	U
CCB2	607038	RQ1809814-06	09/17/18 18:33	0.0020	0.0020	U
CCB3	607038	RQ1809814-08	09/17/18 18:50	0.0020	0.0020	U
CCB4	607038	RQ1809814-09	09/17/18 19:06	0.0020	0.0020	U
CCB5	607038	RQ1809814-11	09/17/18 20:19	0.0020	0.0020	U
CCB6	607038	RQ1809814-13	09/17/18 20:35	0.0020	0.0020	U

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Continuing Calibration Blank (CCB) Summary
Nitrogen, Total Kjeldahl (TKN)

Analysis Method: 351.2

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	608071	RQ1810164-07	09/24/18 18:24	0.10	0.10	U
CCB2	608071	RQ1810164-08	09/24/18 18:33	0.10	0.10	U
CCB3	608071	RQ1810164-09	09/24/18 18:41	0.10	0.10	U
CCB4	608071	RQ1810164-10	09/24/18 18:50	0.10	0.10	U
CCB5	608071	RQ1810164-11	09/24/18 19:06	0.10	0.10	U
CCB6	608071	RQ1810164-12	09/24/18 19:15	0.10	0.10	U

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QA/QC Report

Client: New York State DEC
Project: LCI 2018/PK2018

Service Request:R1808653

Continuing Calibration Blank (CCB) Summary
Phosphorus, Total

Analysis Method: 365.1

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	607786	RQ1810073-02	09/21/18 16:45	0.0050	0.0050	U
CCB2	607786	RQ1810073-04	09/21/18 16:58	0.0050	0.0050	U
CCB3	607786	RQ1810073-06	09/21/18 17:12	0.0050	0.0050	U
CCB4	607786	RQ1810073-07	09/21/18 17:25	0.0050	0.0050	U
CCB5	607786	RQ1810073-09	09/21/18 17:39	0.0050	0.0050	U
CCB6	607786	RQ1810073-11	09/21/18 17:52	0.0050	0.0050	U
CCB7	607786	RQ1810073-13	09/21/18 18:06	0.0050	0.0050	U