Service Request No:R2009922



Mr. Fran Connor Test Assured Network 204 Talmadge Hill West Waverly, NY 14892

Laboratory Results for: Wellsville Water Dept.

Dear Mr.Connor,

Enclosed are the results of the sample(s) submitted to our laboratory October 21, 2020 For your reference, these analyses have been assigned our service request number **R2009922**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, 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), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mighner Hedro

Meghan Pedro Project Manager



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:Test Assured NetworkProject:Wellsville Water Dept.Sample Matrix:Drinking Water

Service Request: R2009922 Date Received: 10/21/2020

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Two drinking water samples were received for analysis at ALS Environmental on 10/21/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 522, 10/30/2020: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Approved by

Mighran Hedro

Date

11/03/2020



Sample Receipt Information

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

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	CLIENT SAMPLE ID	DATE	<u>TIME</u>
R2009922-001	Raw Water	10/21/2020	0805

CHAIN OF CUSTODY							Test	Assured	· ·	PAGE	0f	1
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Wellsville Water Dept.					20	04 T	almadge	Hill West + Waverly,	NY	ARE SP	ECIAL DETEC	
dana@wellsvillewater.com	BEER	IGER/	ATE SA		S		loi	//) /60-8//8	RESULTS ARE BEING USED FOI		7. 120 7 OLEASE ATTA	- HU - HU
111 W State St. Wellsville NY	AFTE	R COL	LECT	ION		, M	Y DRINKING	WATER SL SLUDGE	NYDOH NYDEC PA	DEP		ARE NEEDED?
XONTACT Dana Harris	**+						V GROUNDI V SURFACE	NATER SO SOIL WATER HZ HAZARDOUS	LANDFILL		YES	NO
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AL	s	Cooler l	Recei	ipt an	d Presei	vatio	n Che	ck Form		(18 19 19 19 19 19 19 19 19 19 19 19 19 19		
Project/Clie	ent (r	st Assured			Folder Nu	mber_			·			
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2 Custody	papers proper	rly completed (in	k, signe	2d)? 🗭	N 5b	Did	/OA vial	s, Alk,or Sulf	de have si	g* bubbles?	YN	NA
3 Did all b	ottles arrive in	good condition (unbrok	en)?	N 6	When	re did the	bottles origin	ate?	ALS/ROC	CLIER	क्र
4 Circle:	Wellee Dry	Ice Gel packs	pres	ent?	N 7	Soil	VOA rec	eived as: 1	Bulk E	ncore 5035	set 🖸	
8 Temperatu	re Readings	Date: 10/21/	2020	l	[1055		· IR#7		From	Temp Blank	Samp	E Bottle
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If out of]		note packing/ice	e condi	tion:		Ice me	ted P	oorly Packed	described	below)	Same Da	
&Client A	Approval to R	un Samples:		Standin	g Approval	Clier	it aware a	at drop-off	Client noti	fied by:		
All samples	held in storag	e location:	R-a	νντ by a	ale a	on wizt	Zà at	1905				· · · · · · · · · · · · · · · · · · ·
5035 sample	es placed in st	orage location:		by	(on or	at	within	48 hours	of sampling?	Y I	N
Cooler Br	eakdown/Prese	rvation Check**	: Date	: 10	helino	Time:	151	7 b	y:	· · ·	••••••	
9. 1	Were all bottle	labels complete (<i>i.e</i> . ana	lysis, pre	servation, e	tc.)?		Ð	ŇŎ			
10. 1	Did all bottle la	bels and tags agr	ee with	custody	papers?			E S	NO			
11.	Were correct co	ontainers used for		ts indica	(CO? Loolaime) 9			, CES	NO	<u>.</u>	X 144	
12.	vice 5055 viai	Sacceptable (no)	exua la Intact V	Dels, BOU 7 / Ni mat	$f = \frac{1}{2} $	Cani	tore Dro	I ES	NU Tedla r ®, E	lage Inflated	NA	
	Lot of test	Reagent	Preser	ved? T	of Received		Fra	Sample ID			∰ T	Final
	paper	Reagent	Yes	No		•	LAP	Adjusted	Added		~	pH
≥12	<u> </u>	NaOH				-						<u> </u>
52		HNO ₁										
≤2		H ₂ SO ₄				• *						
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(-)		608pest, 522			N), ascorbic	phenol).						
		$Na_2S_2O_3$			187819							
		ZnAcetate	-	-				**VOAs and 1	664 Not to b	e tested before an	alysis.	
		HCl	**	**				are checked (ne	otties of all of just repres	samples with che entatives).	micai pres	ervanves

	HPROD	BULK
	HTR	FLDT
2	SUB	HGFB
-	ALS	LL3541

Labels secondary reviewed by: ______ PC Secondary Review: ______

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

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r18.doc

Uρ

10/20/2020

Bottle lot numbers: <u>090700- /BMC</u> Explain all Discrepancies/ Other Comments:



Miscellaneous Forms

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S Environmental

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 Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratorys 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
М	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.

Analyst Summary report

Client:Test Assured NetworkProject:Wellsville Water Dept./

Service Request: R2009922

Sample Name:Raw WaterLab Code:R2009922-001Sample Matrix:Drinking Water

Date Collected: 10/21/20 **Date Received:** 10/21/20

Analysis Method 522

Extracted/Digested By KSERCU Analyzed By AFELSER



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

Water/Liquid Matrix

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
60204	IL M05 3
0020/1	ILM05.5
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

Analytical Method	Preparation				
	Method				
6010C	3050B				
6020A	3050B				
6010C TCLP (1311)	3005A/3010A				
extract					
6010 SPLP (1312) extract	3005A/3010A				
7199	3060A				
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



Semivolatile Organic Compounds by GC/MS

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

	Analy	tical Report	
Client:	Test Assured Network	Service Request:	R2009922
Project:	Wellsville Water Dept.	Date Collected:	10/21/20 08:05
Sample Matrix:	Drinking Water	Date Received:	10/21/20 19:00
Sample Name:	Raw Water	Units:	ug/L
Lab Code:	R2009922-001	Basis:	As Received
	1,4-Dioxane by Solid Phase Extraction	and GC/MS With Selected Ion Monitoring	

Analysis Method:	522								
Prep Method:	Method								
Analyte Name		Result	MRL	Dil.	Date An	alyzed	Date Ext	racted	Q
1,4-Dioxane		0.0400 U	0.0400	1	10/30/20	11:11	10/27/	20	
Surrogate Name			% Rec	Cont	rol Limits	Date A	analyzed	Q	
1,4-Dioxane-d8			99	7	0 - 130	10/30/	20 11:11		



QC Summary Forms

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Semivolatile Organic Compounds by GC/MS

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

QA/QC Report

Client:Test Assured NetworkProject:Wellsville Water Dept.Sample Matrix:Drinking Water

Service Request: R2009922

SURROGATE RECOVERY SUMMARY

1,4-Dioxane by Solid Phase Extraction and GC/MS With Selected Ion Monitoring

Analysis Method:522Extraction Method:Method

		1,4-Dioxane-d8			
Sample Name	Lab Code	70-130			
Raw Water	R2009922-001	99			
Method Blank	RQ2013052-01	116			
Lab Control Sample	RQ2013052-02	124			
Duplicate Lab Control Sample	RQ2013052-03	97			
Lab Control Sample	RQ2013052-04	121			

Analytical Report

	5	•	
Client:	Test Assured Network	Service Request:	R2009922
Project:	Wellsville Water Dept.	Date Collected:	NA
Sample Matrix:	Drinking Water	Date Received:	NA
Sample Name:	Method Blank	Units:	ug/L
Lab Code:	RQ2013052-01	Basis:	As Received
	1,4-Dioxane by Solid Phase Extraction and	GC/MS With Selected Ion Monitoring	

Analysis Method: Prep Method:	522 Method								
Analyte Name		Result	MRL	Dil.	Date An	alyzed	Date Ext	acted	Q
1,4-Dioxane		0.0400 U	0.0400	1	10/30/20	09:42	10/27/	20	
Surrogate Name			% Rec	Cont	rol Limits	Date A	alyzed	Q	
1,4-Dioxane-d8			116	70	0 - 130	10/30/	20 09:42		

QA/QC Report

Client:Test Assured NetworkProject:Wellsville Water Dept.Sample Matrix:Drinking Water

Service Request: R2009922 **Date Analyzed:** 10/30/20

Lab Control Sample Summary

1,4-Dioxane by Solid Phase Extraction and GC/MS With Selected Ion Monitoring

Units:ug/L Basis:As Received

Lab Control Sample RQ2013052-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,4-Dioxane	522	0.0666	0.0400	167 *	70-130

QA/QC Report

Client:Test Assured NetworkProject:Wellsville Water Dept.Sample Matrix:Drinking Water

Service Request: R2009922 **Date Analyzed:** 10/30/20

Duplicate Lab Control Sample Summary

1,4-Dioxane by Solid Phase Extraction and GC/MS With Selected Ion Monitoring

Units:ug/L Basis:As Received

			Lab	Control Sa	mple	Duplicate La	b Control S	Sample		
			R	Q2013052-	02	RQ20	13052-03			
	Analytical		Spike			Spike		% Rec		RPD
Analyte Name	Method	Result	Amount	% Rec	Result	Amount	% Rec	Limits	RPD	Limit
1,4-Dioxane	522	12.4	10.0	124	9.64	10.0	96	70-130	25	30



Subcontracted Analytical Parameters

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02-Nov-2020

Meghan Pedro ALS Environmental 1565 Jefferson Rd Bldg 300 Rochester, NY 14623

Re: **R2009922**

Work Order: 20102346

Dear Meghan,

ALS Environmental received 2 samples on 24-Oct-2020 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 9.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Ehrland Bosworth

Environmental 💭

Electronically approved by: Bill Carey

Ehrland Bosworth Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

20102346-02 Field Blank

Date: 02-Nov-20

10/21/2020 08:05 10/24/2020 09:30

Client: Project: Work Order:	ALS Environmental R2009922 20102346			Work Order S	ample Sumr	nary
Lab Samp ID (Client Sample ID	<u>Matrix</u>	Tag Number	Collection Date	Date Received	Hold
20102346-01 R	Raw-Water	Drinking V	Vat	10/21/2020 08:05	10/24/2020 09:3	$0 \square$

Drinking Wat

		_
Client:	ALS Environmental	
Project:	R2009922	
WorkOrder:	20102346	

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
а	Analyte is non-accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
Е	Value above quantitation range
Н	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
0	Sample amount is > 4 times amount spiked
Р	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
5	Spike Recovery outside laboratory control limits
X	Analyzed but not detected above the MDL Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.
Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
А	APHA Standard Methods
D	ASTM
Е	EPA
SW	SW-846 Update III
Units Reported	Description
ng/L	Nanograms per Liter

Client:ALS EnvironmentalProject:R2009922Sample ID:Raw-Water

Collection Date: 10/21/2020 08:05 AM

Work Order: 20102346 Lab ID: 20102346-01 Matrix: DRINKING WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537.1		Met	hod: E537.1		Prep: E53	7.1 / 10/29/20	Analyst: SK
Perfluorooctanesulfonic Acid (PFOS)	U		0.21	1.8	ng/L	1	10/31/2020 03:31
Perfluorooctanoic Acid (PFOA)	0.70	J	0.46	1.8	ng/L	1	10/31/2020 03:31
Surr: d5-N-EtFOSAA	106			70-130	%REC	1	10/31/2020 03:31
Surr: 13C3-HFPO-DA	104			70-130	%REC	1	10/31/2020 03:31

Client:ALS EnvironmentalProject:R2009922

Sample ID:Field BlankCollection Date:10/21/2020 08:05 AM

Work Order: 20102346 Lab ID: 20102346-02 Matrix: DRINKING WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537.1		Meth	nod: E537.1		Prep: E53	7.1 / 10/29/20	Analyst: SK
Perfluorooctanesulfonic Acid (PFOS)	U		0.21	1.8	ng/L	1	10/31/2020 03:42
Perfluorooctanoic Acid (PFOA)	U		0.47	1.8	ng/L	1	10/31/2020 03:42
Surr: d5-N-EtFOSAA	112			70-130	%REC	1	10/31/2020 03:42
Surr: 13C3-HFPO-DA	88.1			70-130	%REC	1	10/31/2020 03:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Environmental
20102346
R2009922

QC BATCH REPORT

Batch ID: 166791	Instrument ID	LCMS1		Metho	d: E537. ′	1						
MBLK	Sample ID: MBLK-	166791-166791				Units: ng/L			Analysis Date: 10/31/2020 12:55 AM			
Client ID:		Run ID:	LCMS1	_201030B		Se	eqNo: 684	8458	Prep Date: 10/2	9/2020	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluorooctanesulfon	ic Acid (PFOS)	U	2.0									
Perfluorooctanoic Acio	d (PFOA)	U	2.0									
Surr: d5-N-EtFOSA	A	167.7	0	160		0	105	70-130	0			
Surr: 13C3-HFPO-L	DA	35.84	0	40		0	89.6	70-130	0			
MS	Sample ID: 201021	75-07A MS				I	Units: ng/l	_	Analysis	Date: 10/3	31/2020 0 [,]	1:16 AM
Client ID:		Run ID:	LCMS1	_201030B		Se	eqNo: 684	8460	Prep Date: 10/2	9/2020	DF: 1	
Analyte		Result	POI	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
		1.0.10	T QL	or it var			/iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii					
Perfluorooctanesulfon	ic Acid (PFOS)	1.649	1.7	1.626		0	101	50-150	0			J
Perfluorooctanoic Acid	(PFOA)	1.948	1.7	1.748	0.36	98	90.3	50-150	0			
Surr: d5-N-EtFOSA	A	139.3	0	139.9		0	99.6	70-130	0			
Surr: 13C3-HFPO-L		37.30	0	34.90		U	89.7	70-130	0			
DUP	Sample ID: 201021	75-09A DUP				I	Units: ng/l	-	Analysis	Date: 10/3	31/2020 02	2:39 AM
Client ID:		Run ID:	LCMS1	_201030B		Se	eqNo: 684	8468	Prep Date: 10/2	9/2020	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluorooctanesulfon	ic Acid (PFOS)	U	1.7	0		0	0		0	0	30	
Perfluorooctanoic Acid	d (PFOA)	U	1.7	0		0	0		0.3816	0	30	
Surr: d5-N-EtFOSA	A	136.5	0	138.4		0	98.6	70-130	158.5	14.9	30	
Surr: 13C3-HFPO-L	DA	35.01	0	34.6		0	101	70-130	36.5	4.18	30	
LCS1	Sample ID: LCS-16	6791-166791				I	Units: ng/l	_	Analysis	Date: 10/3	31/2020 0 ⁻	1:05 AM
Client ID:		Run ID:	LCMS1	_201030B		Se	eqNo: 684	8459	Prep Date: 10/2	9/2020	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluorooctanesulfon	ic Acid (PFOS)	2.133	2.0	1.86		0	115	50-150	0			
Perfluorooctanoic Acio	d (PFOA)	2.144	2.0	2		0	107	50-150	0			
Surr: d5-N-EtFOSA	A	173.9	0	160		0	109	70-130	0			
Surr: 13C3-HFPO-L	DA	36.43	0	40		0	91.1	70-130	0			

The following samples were analyzed in this batch:

20102346-01A 20102346-02A

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475 ALS Environmental Chain of Custody

20102346

ALS Contact: Meghan Pedro

PFC/537M PFAS × \times Holland ALS Holland ALS Lab ID Time 0805 0805 Sample 10/21/20 10/21/20 Date Drinking Water Drinking Water Matrix # of Cont. 3 First Point Raw Water Sample ID Field Blank RZ00922-001 R2009922-002 Lab Code

Meghan Pedro

Project Manager: Project Number:

QAP:

R2009922

LAB QAP

ab bolder Comments: Beport all 500 series to the MDL; Filter \$15 -Pb and Cu \$30 (\$20 each)

Page 1 B **Invoice Information** 58R2009922 Bill to ₽Ğ III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data **Report Requirements** II. Results + QC Summaries Airbill Number: z z I. Results Only PQL/MDL/J EDD 10 9130 PLEASE CIRCLE WORK DAYS Requested Report Date: 11/02/20 **Furnaround Requirements** RUSH (Surcharges Apply) Ś 4 Requested FAX Date: _ ę STANDARD 7 **** Received By: 2 $(v_{0}v_{1})$ P - Test is Authorized for Prep Only PROH/PEOS ~10/22/52/01 <u>Salai</u> Special Instructions/Comments The second H - Test is On Hold Relinquished By:

Sample Receipt Checklist

Client Name: ALS - ROCHESTER		Date/Time I	Received:	24-Oct-20	<u>09:30</u>
Work Order: 20102346		Received b	y:	MJG	
Checklist completed by Matthew Gaylord eSignature	26-Oct-20 Date	Reviewed by:	Ehrland £ eSignature	Boswarth	26-Oct-20 Date
Matrices: Drinking Water Carrier name: FedEx					I
Shipping container/cooler in good condition?	Yes 🗸	No	Not Prese	ent	
Custody seals intact on shipping container/cooler?	Yes 🗸	No 🗌	Not Prese	ent	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Prese	ent 🗹	
Chain of custody present?	Yes 🗸	No 🗌			
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌			
Chain of custody agrees with sample labels?	Yes 🗹	No 🗌			
Samples in proper container/bottle?	Yes 🗸	No 🗌			
Sample containers intact?	Yes 🗸	No 🗌			
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌			
All samples received within holding time?	Yes 🗸	No 🗌			
Container/Temp Blank temperature in compliance?	Yes 🗸	No 🗌			
Sample(s) received on ice? Temperature(s)/Thermometer(s):	Yes ⊻ 4.0/4.0C	No 🗌	IR1		
Cooler(s)/Kit(s):					
Date/Time sample(s) sent to storage: Water - VOA vials have zero headspace?	10/26/2020 Yes	1:25:25 PM No	No VOA vials	submitted	
Water - pH acceptable upon receipt?	Yes	No 🗌	N/A		
pH adjusted? pH adjusted by:	Yes 🗌	No 🗌	N/A 🔽		

Login Notes:

Client Contacted:	Date Contacted:	Person Contacted:	
Contacted By:	Regarding:		
Comments:			
CorrectiveAction:			
			SF