

November 7, 2018 File No. 76400.04

Mr. Kenneth Richardson 9 Bunny Lane Allenstown, NH 03275

Re:

Water Quality Sampling Results - September 2018

Allenstown Landfill

Allenstown, New Hampshire NHDES No. 199012032

Dear Mr. Richardson:

On September 26, 2018, a Nobis Group® representative collected water samples from the drinking water supply that serves the residence identified as town of Allenstown Tax Map 106, Lot 6. The sample was taken from the kitchen sink faucet of the house. Water samples were used to evaluate the water quality in the vicinity of the Allenstown Landfill. The New Hampshire Department of Environmental Services (NHDES) has required assessment of possible impacts to groundwater associated with per- and polyfluoroalkyl substances (PFAS).

The water samples were delivered to Eastern Analytical, Inc. (EAI) of Concord, New Hampshire under proper chain-of-custody procedures. EAI subcontracted Vista Analytical Laboratory of EI Dorado Hills, California who analyzed the sample on October 13, 2018, for the presence of nine PFAS compounds in accordance with U.S. Environmental Protection Agency Method 537 Modified. The analysis indicated PFAS compounds were **not** present in the sample at a concentration above laboratory method detection limits or the applicable NHDES Ambient Groundwater Quality Standard (AGQS).

The results of these analyses have been forwarded to the NHDES project manager, who can be reached at 603-271-2909. We note that this test is for PFAS only, and therefore, it is just one measure used to evaluate the quality of your water supply.

Thank you for your cooperation. If you have questions regarding the results, or require additional information, please contact the undersigned.

Sincerely,

NOBIS GROUP®

Mark R. Henderson, P.G.

MAZL

Senior Project Manager

cc: Mr. James W. O'Rourke, NHDES

Mr. Derik Goodine, Town of Allenstown



Mark Henderson
Nobis Group
18 Chenell Drive
Concord , NH 03301



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 187093

Client Identification: Allenstown Landfill | 76400.00

Date Received: 9/26/2018

Dear Mr. Henderson:

Enclosed please find the report of analysis for the above identified project. As discussed, analyses were subcontracted and are listed as follows:

Analysis: Subcontract - Perfluorinated Compounds EPA 537 (9

Compounds) Vista

Subcontractor Lab: Vista Analytical Laboratory

A complete copy of the report is attached. This report may not be reproduced except in full, without the written approval of the laboratory.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Leverne Dascent 10.18.18 19

Lorraine Olashaw, Lab Director Date # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

M

Client: Nobis Group

Client Designation: Allenstown Landfill | 76400.00

EAI ID#: 187093

Temperature upon receipt (°C): 6.5

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID Sample ID

Date Receive Date Sample % Dry

Received Sampled Matrix Weight Exceptions/Comments (other than thermal preservation)

9/26/18

9/26/18

9/26/18

aqueous

Adheres to Sample Acceptance Policy

187093.02

187093.01

TRIP BLANK

MAP 106 LOT 6

9/26/18

aqueous

Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 4th edition, 1992



October 16, 2018

Vista Work Order No. 1803205

Ms. Jennifer Laramie Eastern Analytical, Inc. 25 Chennell Drive Concord, NH 03301

Dear Ms. Laramie,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 02, 2018 under your Project Name '187093 NH 30'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,
Calva Jacaka

Martha Maier

Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph; 916-673-1520 fx; 916-673-0106 www.vista-analytical.com

2

Vista Work Order No. 1803205 Case Narrative

Sample Condition on Receipt:

Two aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The client was notified of the COC discrepancy.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537). The results for PFHxS, PFOA, and PFOS include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

Work Order 1803205

Table of Contents

Case Narrative	 												1
Table of Contents	 											:	7
Sample Inventory	 					•						4	1
Analytical Results	 			 		•						5)
Qualifiers	 			 								. 10)
Certifications	 			 - •		•						. 11	l
Sample Receipt	 											14	L

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1803205-01	MAP 106 LOT 6	26-Sep-18 10:15	02-Oct-18 09:35	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1803205-02	TRIP BLANK	26-Sep-18 09:00	02-Oct-18 09:35	HDPE Bottle, 125 mL
				HDPE Bottle, 125 ml.

ANALYTICAL RESULTS

Work Order 1803205 Page 5 of 17



7

	linear and branched isomers. Only the linear isomers is an and for all the	er OSAA and Eth	linear and branched isomers Only the linear isome	i branched isom	linear and						
	17-001-10	EDG V V STEET	PEOA PEOA	orted PFHxS	When rer		Results reported to RL.	Results re	RL - Reporting limit	RL-R	
1	13_O~-18 03-04	0.250 T	08-Oct-18	B8J0040		60 - 130		78.8	COL		
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040	A second manufacture and a second manufacture and the second manufacture an	20-150	The second secon	00 0	72	to have a secured to a because I was a way a secure of the second of the	13C8-PFOS
,	13-Oct-18 03:04	$0.250\mathrm{L}$	08-Oct-18	B8J0040	The late standing of the place had a form of the	100 - 100	All the second s	7.50			13C5-PFNA
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040		60 130		103	55.1		13C2-PFOA
1	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040	The second secon	20 120		101	.	The second secon	1802-PFHxS
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040		60 150 60 150		8.40	₩ •		13C4-PFHpA
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040	Marie Commence of the Commence	20 - 120 00 - 100		20.5	Z		13C2-PFHxA
1	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040		20 120	The second of th	101	IS	eenst waa ole oleenseens is die delektroe tees soon oleesterneens eenst koord	13C3-PFBS
,_	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040	dan belata transfelo de das aportos atrasas	60 - 130	Address Control of the Control of th	27.1	S	the second continuous contents of the second	13C3-PFPeA
Dilution	Analyzed	Samp Size	Extracted	Batch	Quantifers	Control 130		07.1	IS		13C3-PFBA
	13-Oct-18 03:04	0.250 L		040040				% Recovery	Туре	ards	Labeled Standards
1	13-Oct-18 03:04	0.250 L	81-130-20	11		00 V	The second secon	ď	1763-23-1		PFOS
	13-Oct-18 03:04	0.250 L	08-Uct-18	B&JUU4U		4 00	The state of the s	Ŋ	375-95-1	THE LIE Systems and representational control of the state	PFNA
1	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040		70.4.		N. T.	335-67-1	A Company of the Comp	PFOA
	13-Oct-18:03:04	0.250 L	08-Oct-18	B&J0040		7 OC		a	355-46-4		PFHxS
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040		4.00		36	375-85-9		PRHpA
	13-Oct-18 03:04	0.250 L	08-Oct-18	À.;			Manufacture of the Control of the Co		307-24-4	ad tal tal track for a track and the second second again again again again.	PFHxA
	13-Oct-18 03:04	0.250 L	08-Oct-18	B8J0040	0	4.0	And the second s		375-73-5		PFBS
	13-Oct-18 03:04	0.250 L	B8J0040 08-Oct-18	B8J0040		4.00			2706-90-3	Service of the servic	PFPeA
Dilution	Analyzed	Samp Size	Extracted	Batch	Qualifiers	KL	Constitution by Constitution of the Constituti	Court (MELL)	CAROLINA MARKET	A CONTRACTOR OF THE PROPERTY O	PERA.
								Cone (me/L)	CAS Number		Analyte
	BEH C18	Contain:	1	1	,					187093 NH 30	Project
		}	R K	B8J0040-RT.K	Laboratory Data Lab Sample:		Aqueous	Matrix:		Eastern Analytical, Inc.	Name:
nomearie	Thomas of odos	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									Client Data
Wethod	PFAS Isotone Dilution Method	PFAS Iso								Sample ID: Method Blank	Sample ID: I
County compared by	transfer in										

when reported, PFHXS, PFOA, PFOS, MeFOSAA and EffOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



8

Sample ID: OPR								
						FFA	S Isotope Di	r FAS Isotope Dilution Method
			Labo	oratory Data				
Name: Eastern Analytical, Inc. Project: 187093 NH 30	Matrix:	Aqueous	Lab	Sample:	B8J0040-BS1	Column:	mn: BEH C18	C18
te interession is the contract of the contract	Amt Found (ng/L)	Spike Amt % Rec	ec Limits	Qualifiers	Batch Ext	Extracted Samp Size	Size Analyzed	zed Dilution
	40.0	40.0 99.9	9 70 - 130	H	B8J0040 08-Oct-18	Oct-18 0.250	0.250 L 13-Oct-18.03:14	
e de la companya de la companya de deserva de la companya de la companya de la companya de la companya de la c La companya de la co	40.5			H	B8J0040 08-0	08-Oct-18 0.250 L	I. 13-Oct-18 03:14	03.14
PFBS 375-73-5	38.8				194	7-)		03/17/
	42.9	40.0 107	70 - 130	Н	B8J0040 08-0	i.	- 1	03.14
	39.9	40.0 99.7	7 70 - 130	Н	B8J0040 08-Oct-18	Oct-18 0.250 L		03:14
FEHXX	42.0	40.0 105	1	Н	B8J0040 08-0	08-Oct-18 0.250 L		03:14 1
	40.9		70 - 130		8J0040 08-0	B8J0040 08-Oct-18 0.250 L		13-Oct-18 03:14 1
Annual An	40.8		1		B8J0040 08-0	08-Oct-18 0.250 L		03:14 1
Labeled Standards	41.2	40.0		B	8J0040 08-0	B8J0040 08-Oct-18 0.250 L	L 13-Oct-18 03:14	03:14
13C3 DED A	Туре	% Rec	ec Limits	Qualifiers	Batch Ext	Extracted Samp Size	size Analyzed	ed Dilution
	SI	97.	0 60- 130	T		Oct-18 0.250	L 13-Oct-18 03:14	03:14 1
12C3_DEDC		90.			B8J0040 08-0	08-Oct-18 0.250 L		03:14 1
	ST	103			B8J0040 08-0	Oct-18 0.250	,	03:14 1
13C4_PRIDA	TS.	91.		H	B8J0040 08-0	08-Oct-18 0.250 L	L 13-Oct-18 03:14	03:14 1
1807_PHTX	10	95.	4	H	B8J0040 08-0	08-Oct-18 0.250 L		03:14 1
13C2-PFOA	21 21 21 21 21 21 21 21 21 21 21 21 21 2	7661				08-Oct-18 0.250 L	L 13-Oct-18 03:14	03:14
13C5-PENA.	To Co	101	- 60-		B8J0040 08-0		L 13-Oct-18 03:14	03:14 1
13C8-PFOS	10	24.1	-00	H	B8J0040 08-Oct-18	0.250 L	L 13-Oct-18 03:14	03:14 1
- Principality - Prin	10	73./	/ 60- 130		B8J0040 08-0	08-Oct-18 0.250 L	L 13-Oct-18 03:14	03:14 1



9

	When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both	FOSAA and EtF	PFOA, PFOS, Me	ported, PFHxS,	When rej	ŗ	resums reported to kin	ren Smuthadon	í	
1	13-Uct-18 05:22	U.125 L	00-001-19	D4-00 rog			Peculte vanceted to DI	Reporting limit	1 - 1 R	
		- 5	00 02+ 10	OVUUT & C	a de la como de la companya de la co	60 - 130	93.7	SI		13C8-PFOS
	13-Oct-18.05-22	0.123 L	08-Oct-18	B8J0040		50-130	95.8	Q	the second contract of	TOCOL TINO
_	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040	de l'in herdrich l'andre, talli de de de describe de grande.	00 - 130		TA	memory and the first the second secon	1204 DENTA
<u></u>	13-Oct-18 05:22	0.123 L	08-Oct-18			(A 100	05.0	ا الم الم	The state of the s	13C2-PFOA
,	13-Oct-18 05:22		81-130-80	040000	The state of the s		102	2	The second secon	1802-PFHxS
ن نيور د	13-Oct-18 05:22	0.1251	00-001-10	Deroote		60 - 150	88.7	SI		13C4-PFHpA
-	13-Oct-18 05:22	0.123 L	00-1-10	D-00000		70 - 130	95.0	SI		13C2-PFHxA
	13 0 19 0 22	01001	00 02 10	B\$10040	Theretes are the state of the second	60 - 150	109	IS		13C3-PFBS
	13 04 18 0530	0 123 T	08-0-18	B8J0040		60 - 150	97.4	IS	The second continue of	Loco-FrreA
1	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040		60 - 130	97.0	7	When expected the first state of the state o	13C3 PFDA
Dilution	Analyzed]	Samp Size	Extracted	Batch	Qualifiers	Limits	70 McCOVELY	1.3 Pc		1202 pcp /
1	13-Oct-18 05:22	0.123 L	B8J0040 08-Oct-18	B&J0040	;:		0/ Danayani	Type	dards	Labeled Standards
]	13-Oct-18 05:22	0.123 L		040000		The second of th	ď	1763-23-1		PFOS
1	13-001-18-03:22	0.123	01-10				3	375-95-1		PFNA
	77.001-100-01	0.11.0	00 004 10				Ö	335-67-1		PFOA
	13-Oct-18 05:33	0 123 T	08-Oct-18	B8J0040			Ä	355-46-4	and the state of t	FFHXX
	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040			NU	3/3-83-9		Cdrr.r.
_	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040	4.05		NE NE	207-24-4		VEDUC
	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040	Control delicary and conduct of the delication	denoted for the contract of the following state of the following sta		307 34 4		PHHVA
1	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040	and present the second	The state of the s	NE NE	276 72 6	Transport of the state of the s	PHRS
1	13-Oct-18 05:22	0.123 L	08-Oct-18	B8J0040	4.05			3/3-22-4		PFPeA
Dilution	Analyzed	Samp Size	Extracted	Barch	Kt. Qualifiers	the world manner of the same and the same were a second to the same and	Control (116)	She on the	The section of the se	v aad
							Canc (no/L)	CAS Number		Analyte
	BEH C18	Column:	01 } 09:35	1803205-01 02-Oct-18 09:35	Lab Sample: Date Received:	Aqueous 26-Sep-18 10:15	Matrix: Date Collected:	,	187093 NH 30	Project:
					Laboratory Data			•	Factor Application Inc.	Chent Data
1ethod	PFAS Isotope Dilution Method	PFAS Iso							Sample ID: MAP 106 LOT 6	Sample ID
	A company of the comp									



	When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both	sFOSAA and EtFO	PFOA, PFOS, M.	orted, PFHxS,	When rej	ŗ	vesans reported to ME	am Sentodore		
1	13-Oct-18 05:32	0.127 L	08-Oct-18	B&J0040		00"	Demilia reported to Di	RI - Reporting limit		
	10 00110 00104			TOTO 10	The second second and the second seco	60 - 130	103	S	PFOS	13C8-PFOS
Andrew Commence	120418053	0 107 T	08-Oct-18 0 127 I	B8J0040		50 - 130	877	15	ENA	T-COCT
	13-Oct-18 05:32	0.127 L	08-Oct-18		The first term of the second s	60 - 130		A CONTRACTOR OF THE PROPERTY O	The state of the s	1307 774
	13-Oct-18 05:32	0.127 L	8T-15∩-20	B6JUU4U		907.100	97.0	Te	PFOA	13C3-P
	13-Oct-18 05:52	0.12/1	01-100-00	100000	And the second s	20.100	CEL	S	PFHxS	1802-PFHxS
	10 0 4 10 05 00	0 100 1	00 Oat 10	UVUULSA		60 - 150	89.4	SI	PFHpA	13C4-F
	13-Oct-18 05-32	$0.127\mathrm{L}$	08-Oct-18	B8J0040		70 - 130	97.8	5	OCZ-FEEEXA	1302-1
 -	13-Oct-18 05:32	0.127 L	08-Oct-18	B8J0040		60 - 150	707			3 (
1		0.127 L	08-Oct-18	B8J0040	Approximate the second	00-120	100	IG	PERC	13C3_PFRS
	13-Oct-18 05:32	i d	08-Oct-18	4		60 - 130	2.66	10	PPPeA	13C3-PFPeA
Dilution	Analyzed	Samp Size	Extracted	Baten	Qualitiers	Cinitis	, o , coo o o , y	17	A CLA	1203 [
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75.00 07.70	"T-17T-N	00.00	1000010			% Recovery	Type	Labeled Standards	Labele
	12 04 10 05:22	12C1 U	B810040 08-001-18	R810040	4.00		ND	1763-23-1		Z. O.S.
	13-Oct-18 05:32	$0.127\mathrm{L}$	08-Oct-18	B8J0040		design and a second particular color of the second colors and the	n market in the second	1-CK-C/ C	The state of the s	1 5
#\ 	13-Oct-18 05:32	0.127 L	08-Oct-18	B8J0040	4.00			275 05 1		ANA
H	13-Oct-18 05:32	0.127 L	08-Oct-18	B8J0040		And the second s		22 7 7 7 7		PFOA
	13-Oct-18 05:32	0.127 L	08-Oct-18	B8J0040				355-46-4		PHHXS
	13-Oct-18 05:32	0.1Z/L	08-001-18	040000				375_84_0		PEHDA
	13-Oct-18 05:32		09-0-19	E	A 00	20 To the Section of	J	307-24-4		PFHxA
	13-061-10-03:32	1.1	00000		3 00		Ŋ	375-73-5		PFBS
	13 Oct 10 05-22	- 11	08-0-18	3.	400	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ð	2706-90-3	The state of the s	PFPeA
* * * * * * * * * * * * * * * * * * *	12 04 19 04:22	1.404.0	8.L-t-0-80	B810040	4.00		ND	375-22-4		PEBA
Dilution	Analyzed	Samp Size	Extracted	Batch	RL Qualifiers		Conc. (ng/L)	CAS Number	yte	Analyte
	BERI C16	Coxumi.	09:35	02-Oct-18 09:35	Date Received:	26-Sep-18 09:00	Date Collected:		ct: 187093 NH 30	Project
	PEH Cio	Column.)2	1803205-02	Laboratory Data Lab Sample:	Aqueous	Matrix:	ical, Inc.)ata	Name:
Method	PFAS Isotope Dilution Method	PFAS Isot							Sample ID: TRUP BLANK	Jamp
										D.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B This compound was also detected in the method blank

Conc. Concentration

D Dilution

DL Detection limit

E The associated compound concentration exceeded the calibration range of

the instrument

H Recovery and/or RPD was outside laboratory acceptance limits

I Chemical Interference

J The amount detected is below the Reporting Limit/LOQ

LOD Limits of Detection

LOQ Limits of Quantitation

M Estimated Maximum Possible Concentration (CA Region 2 projects only)

NA Not applicable

ND Not Detected

Q Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)

TEQ Toxic Equivalency

U Not Detected (specific projects only)

* See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	18-008-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-009
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-18-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated	EPA 23
Dibenzofurans	

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated	EPA
Dibenzofurans (PCDFs) by GC/HRMS	8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B
Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue	EPA 1668A/C
by GC/HRMS	
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated	EPA 8280A/B
Dibenzofurans by GC/HRMS	
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated	EPA
Dibenzofurans (PCDFs) by GC/HRMS	8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Work Order 1803205 Page 13 of 17 14

CHAIN-OF-CUSTODY RECORD

Sample ID



mastern Analytical, Inc. 15 professional laboratory and drilling services

Page 1

MAP 106 LOT 6 10:15 9/26/2018 Date Sampled Matrix aqueous | Subcontract-- Perfluorinated Compounds EPA Method 537 (9 Compounds) aParameters 803 205 187093 Sample Notes

TRIP BLANK 00.0 9/26/2018 aqueous. | Subcontract - Perfluorinated Compounds EPA Method 537 (9:Compounds)

Account # Company EALID# 187093 Address Address Phone # (916) 673-1520 Vista Analytical Laboratory El Dorado Hills, CA 95762 1104 Windfield Way Project State: NH Project ID: 30 MA □A+ □B □B+ □C □:MA:MCP QC Deliverables invoice to customerservice@easternanalytical.com. Results Needed: Preferred Date: Standard Email login confirmation, pdf of results and Notes about project: PO#,48855 Excel NH EMD EQUIS ME EGAD Data Deliverable (circle) Call prior to enalyzing, if RUSH charges will be applied. Relinquished by Samples Collected by: EAI ID# 187093

austomersentice Ceasternanalylical.com

the professional and a second and a second to proper from the negligent or jintentional

acts or omissions of you as a subcontract lab, your officers, agents or employees Work Order 1803205

The second of the second of the second

The Company of the second

す のうつ かがか ひょうか

Relinquished by

f Date/Time

Received by



Sample Log in Checklist

PAGE	#	
WO#_	1803205	
SDG#_	-	
TAT_	8td	

		-	7	1At	<u> </u>									
		Se	ction 1: Cont	ainer Réceipt										
Delivered B	Delivered By: ☐ FedEx 1 UPS ☐ On Trac ☐ GSO ☐ DHL ☐ Hand Delivered ☐ Other:													
Number of Containers	Arriyal,Date	Arrival ti	me	Cooler R LR-SLC Initia										
10/2														
:	1 1				16/2/18									
		Section 2: Samp	le Receipt Co Preservation	ondition and Initial Storage	Classical (Small)									
Container C	ondition Cl	nain of Custody	Type	Temperature	Storage Initials/ Location Date									
h Shipping of Shipping of Custody Se	OWF2 MAS													
<u> </u>		S	ection 3: San	nple Log In										
Airbill/Trk.#	12 X 4	6 599 01			·									
Shipping con	tainer <u></u> □ Vista				By/date									
Log in Time:					KE (0/3/18									
 Sam; 	ple name ple matrix		,	•	Acceptable Mot acceptable → anomaly form required									
SamıColle	method ble collection da ctor's name #**		t on COC		1445 10/03/18 166 10/3/18									
	ervation type <u>≴</u> resent and acco	ounted for on COC												
Sample IDs a		onted to on coc	·		VE 10/3/18									
· · · · · · · · · · · · · · · · · · ·		i.e			1/e 103/18									
		ription on the CQC	·		100 103 18									
· · ······	ntact and suitat				103/18									
Preservation of	documented as	required: □NA □	Na₂S₂O₃ □	Trizma GÖther <u>NWC VB</u> te <i>l</i>	LE 10/3/18									
Samples store Comments:	ed DWR2 Shelf	DWF	2 Shelf:	□R1.Shelf:	12a 6/3/18									
		6.6.6	6 11 m	in the second second	* Ø .									
DN	WAS YU	us cous	s War	E IN THIS COUR										

ID.: LR - SLC

Rev No.: 2

Rev Dale: 08/29/18

Page: 1 of 1



Sample Log in Checklist

PAGE	#_ 2_ of)
W0#_/	803205	
SDG#_	<u> </u>	
TAT	SHA	

		Section 1: Co	ontainer Receipt
Delivered B	y: □ FedEx DAUF	S O On Trac O GSO D DHI	☐ Hand Delivered ☐ Other:
Number of Containers	Arrival Date	Arrival timė	Cooler Received LR-SLC Initiated By/Date
20f2	10/2/18	0935	10/2/18

	Section 2; Samp	olë Receipt Cor	ndition and Initial Storage		
Container Condition	Chain of Custody	Preservation Type	Temperature:	Storage Location	Initials/ Date
tt Shipping container in td Shipping seals intact □ Custody Seals present □ Custody seals intact	☐ COC present ☐ Multiple COC's: NO ☐ "Relinquished By" Section complete	Ølce □Blue loe □Dry loe □Other	Thermometer ID: IR-4 Probe used Temp (uncorrected): 0.3 °C Temp (corrected): 0.2 °C	OMWR2 DWF2 DNA	10/2/18

Section 3: Sample Log In	
AIRDIN/TRK# 12 X 46 5 99 01 9584 2005	
Shipping container □ Vista Maclient □ Retain MaReturn □ Dispose	By/date 🕮
Log In Time: 0825	10/3/18
COC clearly identifies:	(X) Acceptable
Sample name Sample matrix	☐ Not acceptable — anomaly form required
Test melhod	anothary roun required
Sample collection date or time	
Collector's name Preservation type * not on Coc	KE 183/18
All samples present and accounted for on COC	16E WB18
Sample IDs are legible	LE 1013/18
Samples conform to the description on the COC	IFE (D)3/18
Samples are intact and suitable for testing	We 10/3/18
Preservation documented as required: □NA □ Na₂S₂O₃ □ Trizma □Other NONE	ice 10/3/18
Samples stored DWR2 Shelf A BO DWF2 Shelf: DR1 Shelf:	10/3/18
Comments: All SAMPLES WERE IN THIS COUNTRY	<i>y.</i>
·	

ID.: LR - SLC

Rev No.: 2

Rev Date: 08/29/18

Page: 1 of 1

Chain of Custody Anomaly/Sample Acceptance Form



Client: Contac Email: Phone:	JenniferL@eailabs.com		Workorder Number: Date Received: Documented by/date:	1803205 02-Oct-18 09:35 K. Elric 10/03/18
Please rauthoriz	review the following information and cation before proceeding with sample	complete the Client Authorizati analysis.	on section. To comply	with NELAC regulations, we must receive
Thank y	/он,			
Martha mmaiere 916-673	@vista-analytical.com			
The follo	wing information or item is needed	to proceed with analysis:		
	Complete Chain-of-Custody Test Method Requested Analyte List Requested Other:	X Preservative Sample Identification Sample Collection Date		X Collector's Name Sample Type Sample Location
The foli	owing anomalies were noted. Auth Temperature outside < 6°C Range	orization is needed to proceed		
	Temperature°C	Ice Present? Yes	No Melted	
	Sample ID Discrepancy Sample Holding Time Missed Custody Seals Broken	Samp	ficient Sample Size de Container(s) Broken rect Container Type	
Commen	ts:			
		•		
Client A	uthorization			
Proceed v	with Analysis: (YES) NO	Signature and Date	and the	0/2/10

Client Comments/Instructions Client notified via email on 10/3/18.

CHAIN-OF-CUSTODY RECORD

187093

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED

	QUOTE #:	REGULATORY PROGRAM: NIPDES: RGP POTTY STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:	STATE ANH MA ME VT OTHER.	PROJECT #: TCHOOLUD	STIFF NAME AND STOCKED TO STATE OF THE PARTY	W	STATE: Not	2	PROJECT MANAGER: MARK HEWHELSON	PRESERVATIVE: H-HCL; N-HNO; S-H;SO; Na-NaOH; M-NEOH	MATRIX: A-AIN; S-SOIL; GW-GROUND WATER, SW-SURFACE WATER, DW-DRINKING WATER; WW-WASTE WATER				S & COSO / 01/00/11	male /1010 DW	SAMPLE I.D. START & FINISH AT ABOUT	EE BELOW	_
RELINQUISHED BY: DATE: TIME: RECEIVED BY:	RECEIVED BY: DATE: INE: RECEIVED BY:	TIME:	W. Carrier	SAMPLER(S): Delik	MA MCP (-MAIL PDF) EQUIS (EXCEL)	NONIC (A B C	DPTIONS ICE? (YES) N	DATE NEEDED: STANDARD TAT								BO21 BTEX BO21 BTEX BO15 GRO MAYI B270 625 SYTHES ABR A BN TPHBIOO LI B015 DRO MAEP PEST 608 PCB PEST 8081 PCB OIL & GREASE 1664 TCLP 1311 ABN WOC PEST HEI DISSOLVED METALS (LIST B TO JAL MEDALS (LIST B RS TSS TDS BR CI F SC NO2 NO3 NO3 BOD CBOD T. TKN NH T. P PH T. RES. CHLORIN COD PHENOLS T	HALOS PH EDB DBCP PAH L2 H 608 8082 TPH 1664 METALS B ST BELOW) ELOW) SPEC. CON. 14 102 AER. 105. O. PHOS.	VOC SYOC TELP METALS INORGANICS
FIELD READINGS:	Suspected Contamination:	SITE HISTORY.				is, Billing Info, If D	SAMPLES FIELD FILTERED? YES NO	OTHER METALS:	METALS: 8 RCRA 13 PP FE, MN PB, CU						×	\$\times_{\times}	REACTIVE CYAMDE RIFERATIVE COLFORM E. FECAL COLFORM E. FECAL COLFORM E. FECAL COLFORM F. FECAL COLFORM PLATE CO. P.F.A.S 9 Co. M. W. M.		Micro OTHER

Eastern Analytical, Inc. professional laboratory and drilling services

25 CHENELL DRIVE | CONCORD, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL COM | WWW.EASTERNANALYTICAL COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)



Letter of Transmittal Town of Allenstown 16 School Street To: Date: November 7, 2018 Allenstown, NH 03275 File No.: 76400.04 Attention: Mr. Derik Goodine Re: Water Quality Sampling Results - September 2018 We are sending you the following via: Next Day Service ☑ U.S. Mail Second Day Service Hand Delivery Certified Mail Other: No. Copies Date Description 1 1 Enclosed Water Quality Sampling Results – September 2018 11/7/18 These are transmitted: \times For your use For review and comment As requested Other: Remarks: Copy To:

Signed:

Mark R. Henderson, P.G. Senior Project Manager