DES Waste Management Division 29 Hazen Drive; PO Box 95 Concord, NH 03302-0095

November 2017 Water Quality Sampling Round Rye Municipal Landfill Breakfast Hill Road Rye, NH 03870

> NHDES Site #: 198705029 Project Type: LAND/UNLN Project Number: 0000225

Prepared For:
Town of Rye
10 Central Road
Rye, NH 03870
Phone Number (603) 964-5523
RP Contact Name: Michael Magnant
RP Contact Email: MMagnant@town.rye.nh.us

CMA Engineers, Inc.
35 Bow Street
Portsmouth, NH 03801
Phone Number: (603) 431-6196
Contact Name: Jodie Bray Strickland, P.E.
Contact Email: jstrickland@cmaengineers.com

Prepared By:

Date of Report: January 3, 2018

Groundwater Monitoring Report Cover Sheet

Site Na	ame:	Rye Municipal Landfill, Breakfast Hill Road
Town:		Rye
Permit	:#:	GWP-198705029-R-005
Туре с	of Subr	mittal (Check all that apply)
	Period	ic Summary Report (<i>year</i>):
✓	Data S	Submittal (month and year per Condition #7 of Permit): November 2017
Check	each l	oox where the answer to any of the following questions is "YES"
<u>Sampl</u>	ling Re	<u>esults</u>
✓	_	the most recent monitoring event, were any <u>new</u> compounds detected at sampling point?
	We	ell/Compound: MW-1A/PFBA/PFPeA, MW-6A/PFBA/PFPeA
	prior	nere any detections of contamination in drinking water that is untreated to use? ell/Compound: Do compounds detected exceed AGQS?
	Was	free product detected for the <u>first time</u> in any monitoring point? Surface Water (<i>visible sheen</i>) Groundwater (1/8" or greater thickness) Location/Thickness:
<u>Conta</u>	mina	nt Trends
	monit	ampling results show an increasing concentration trend in any source area toring well? ell/Compound:
	wells	ampling results indicate an AGQS violation in any of the GMZ boundary? ell/Compound:
Recor	mmen	<u>dations</u>
che		the report include any recommendations requiring DES action? (Do not s box if the only recommendation is to continue with existing permit s.)

This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.

Cover Sheet for Groundwater Monitoring Reports Template - Revised January 2011





35 Bow Street Portsmouth New Hampshire 03801-3819

P: 603|431|6196 www.cmaengineers.com

January 3, 2018

Groundwater Permits Coordinator
New Hampshire Department of Environmental Services
Hazardous Waste Remediation Bureau,
Groundwater Remediation and Permitting
P.O. Box 95
29 Hazen Drive
Concord, New Hampshire 03302-0095

RE: Rye Municipal Landfill, Breakfast Hill Road

November 2017 Groundwater Results - GWP-198705029-R-005

CMA #527 D.12

Dear Permits Coordinator:

Please find enclosed the groundwater monitoring results from the November 2017 water quality sampling event at the Rye Municipal Landfill. The sampling was conducted in accordance with the July 11, 2013 Groundwater Management Permit for the landfill. The wells were sampled on November 20, 2017.

Inorganic indicators (including pH, specific conductance, chloride, nitrate, TKN), heavy metals iron and manganese and static water level were measured at MW-1A, MW-4A, MW-6A, MW-7B and MW-10. Manganese continues to exceed the AGQS of 0.84 mg/L at MW-4A (15 mg/L), MW-6A (3.6 mg/L), MW-7B (3.8 mg/L) and MW-10 (3.4 mg/L). Groundwater quality shows elevated readings of specific conductance and chloride concentrations at most locations. Results remain consistent with previous sampling events.

An additional round of perfluorinated compounds analyses was completed for this site. The results of the two PFAs with AGQS sampled on-site in November 2017 are summarized below:

Well Location	Perfluorooctanoic acid (PFOA) (ng/L)	Perfluorooctane sulfonic acid (PFOS) (ng/L)	PFOA + PFOS combined (ng/L)
MW-1A	7.02	6.00	13.02
MW-4A	19.6	26.8	46.4
MW-6A	66.1	6.86	72.96
MW-7B	17.1	Not detected	17.1
MW-10	13.6	4.66	18.26

We reiterate from prior correspondence that MW-4A and MW-6A are within the Groundwater Management Zone established for the site, and that the Town of Rye in recent years has adopted a zoning overlay of certain downgradient areas precluding the use of groundwater for drinking water purposes.

PFOA and PFOS were not detected at either of the two private water supply sampling locations within the zoning overlay when they were sampled in September.

If you have any questions regarding these results, please don't hesitate to contact us.

Very truly yours,

CMA ENGINEERS, INC.

Jodie Bray Strickland, P.E.

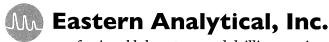
Jodie Branktrickland

Project Engineer

Enclosures: Eastern Analytical Inc. Laboratory Report, November 20, 2017

cc: Michael Magnant, Town Administrator Carolyn Beaulieu, Ciborowski Associates OneStop Data





professional laboratory and drilling services

Paul Schmidt
CMA Engineers, Inc. (Portsmouth)
35 Bow Street
Portsmouth, NH 03801-3819

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Subject: Laboratory Report

Eastern Analytical, Inc. ID: 176218

Client Identification: Rye - Breakfast Hill LF

Date Received: 11/20/2017

Dear Mr. Schmidt:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

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

Sincerely,

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

SAMPLE CONDITIONS PAGE



EAI ID#: 176218

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

Temperature upon receipt (°C): 1.1

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

Acceptable	temperature	range	(°C):	0-6
------------	-------------	-------	-------	-----

Lab ID	Sample ID	Date Received	Date Sampled	Sample % Matrix W	•	Exceptions/Comments (other than thermal preservation)
176218.01	MW-1A	11/20/17	11/20/17	aqueous		Adheres to Sample Acceptance Policy
176218.02	MW-4A	11/20/17	11/20/17	aqueous		Adheres to Sample Acceptance Policy
176218.03	MW-6A	11/20/17	11/20/17	aqueous		Adheres to Sample Acceptance Policy
176218.04	MW-7B	11/20/17	11/20/17	aqueous		Adheres to Sample Acceptance Policy
176218.05	MVV-10	11/20/17	11/20/17	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 Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992

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LABORATORY REPORT

EAI ID#: 176218

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

Sample ID:	MW-1A	MW-4A	MW-6A	MW-7B				
Lab Sample ID:	176218.01	176218.02	176218.03	176218.04				
Matrix:	aqueous	aqueous	aqueous	aqueous				
Date Sampled:	11/20/17	11/20/17	11/20/17	11/20/17		Δı	nalysis	
Date Received:	11/20/17	11/20/17	11/20/17	11/20/17	Units	Date	-	e Method Analyst
Chloride	110	79	99	15	mg/L	11/21/17	16:35	4500CIE-97 KD
Nitrate-N	2.6	0.6	0.7	< 0.5	mg/L	11/21/17	16:03	353.2 KD
TKN	< 0.5	1.5	2.4	1.3	mg/L	12/01/17	13:41	4500N _{org} C/N SEL

Sample ID:	MW-10	
	•	
Lab Sample ID:	176218.05	
Matrix:	aqueous	
Date Sampled:	11/20/17	Analysis
Date Received:	11/20/17	Units Date Time Method Analyst
Chloride	230	mg/L 11/21/17 16:37 4500CIE-97 KD
Nitrate-N	< 0.5	mg/L 11/21/17 16:23 353.2 KD
TKN	1.6	mg/L 12/01/17 13:51 4500N _{ora} C/N SEL





EAI ID#: 176218

Client: **CMA Engineers, Inc. (Portsmouth)**Client Designation: **Rye - Breakfast Hill LF**

Sample ID:	MVV-1A	MW-4A	MW-6A	MW-7B					
Lab Sample ID:	176218.01	176218.02	176218.03	176218.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/20/17	11/20/17	11/20/17	11/20/17	Analytical	•	Date of		
Date Received:	11/20/17	11/20/17	11/20/17	11/20/17	Matrix	Units	Analysis	Method	Analyst
Iron Manganese	< 0.05 0.036	4.0 15	0.21 3.6	4.7 3.8	AqDis AqDis	mg/L mg/L	11/21/17 11/21/17	200.8 200.8	DS DS

Analytical		Date of		
Matrix	Units	Analysis	Method	Analyst
AqDis	mg/L	11/21/17	200.8	DS
AqDis	mg/L	11/21/17	200.8	DS
	Matrix AqDis	Matrix Units AqDis mg/L	Matrix Units Analysis AqDis mg/L 11/21/17	Matrix Units Analysis Method AqDis mg/L 11/21/17 200.8

LABORATORY REPORT



EAI ID#: 176218

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

		···						
Sample ID:	MW-1A	MW-4A	MW-6A	MW-7B				
Lab Sample ID:	176218.01	176218.02	176218.03	176218.04				
Matrix:	aqueous	aqueous	aqueous	aqueous				
Date Sampled:	11/20/17	11/20/17	11/20/17	11/20/17		Date of		
Date Received:	11/20/17	11/20/17	11/20/17	11/20/17	Units	Analysis	Method	Analyst
Static Water Level	17.91	19.21	38.45	45.08	ft	11/20/17	Field	JG
Field pH	6.2	6.0	6.2	6.2	SU	11/20/17	SM4500	H JG
Field Conductivity	840	480	1000	560	uS/cm	11/20/17	SM2510	B JG

Sample ID:

MW-10

Lab Sample ID:176218.05Matrix:aqueousDate Sampled:11/20/17Date Received:11/20/17Static Water Level28.40Field pH6.1Field Conductivity1200

Date of
Units Analysis Method Analyst

ft 11/20/17 Field JG
SU 11/20/17 SM4500H JG
uS/cm 11/20/17 SM2510B JG



5

December 11, 2017

Vista Work Order No. 1701775

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 November 22, 2017. This sample set was analyzed on a rush turn-around time, under your Project Name '176218 NH 104'.

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,

Martha Maier

Laboratory Director

Karent Notpendeta for



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

Vista Work Order No. 1701775 Case Narrative

Sample Condition on Receipt:

Five 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.

Analytical Notes:

Modified EPA Method 537

The samples were extracted and analyzed for a selected list of PFAS using 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 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 above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The recoveries of all internal standards in the QC and field samples were within the acceptance criteria.

Work Order 1701775 Page 2 of 19 **6**

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701775-01	MW-1A	20-Nov-17 11:23	22-Nov-17 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1701775-02	MW-4A	20-Nov-17 10:13	22-Nov-17 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1701775-03	MW-6A	20-Nov-17 11:59	22-Nov-17 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1701775-04	MW-7B	20-Nov-17 12:19	22-Nov-17 10:10	HDPE Bottle, 125 mL
÷				HDPE Bottle, 125 mL
1701775-05	MVV-10	20-Nov-17 09:30	22-Nov-17 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL

Vista Project: 1701775 Client Project: 176218 NH 104

ANALYTICAL RESULTS

Work Order 1701775 Page 5 of 19 **9**



Sample ID: Me	ethod Blank								Modi	fied EPA Metl	10d 537
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104		Matrix:	Aqueous	- 1	oratory Data Sample:	B7L0002-1	BLK1	Column:	BEH C18	
Analyte			Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA			ND		4,00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFPeA			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFBS		F304 577 113F 114	ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFHxA			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFHpA	ertu, el 19 ett i 19 januari 19 julius 1 19 julius 19 julius 27 julius 19 julius 1		ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	
PFHxS			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFOA			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFOS			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
PFNA			ND		4.00		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
Labeled Standard	ls T	ype	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	91.0	60 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C3-PFPeA		IS	87.5	60 - 150			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C3-PFBS		IS	99.3	60 - 150			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C2-PFHxA		IS	94.8	70 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C4-PFHpA		IS	88.8	60 - 150			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
18O2-PFHxS		IS	103	60 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C2-PFOA		IS	87.8	60 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C8-PFOS		IS	96.2	60 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1
13C5-PFNA		IS	83.1	50 - 130			B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:47	1

LCL-UCL- Lower control limit - upper control limit Results reported to RL.

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

Work Order 1701775



C I ID O	ADD.										
Sample ID: O	PPR 								Mod	dified EPA Me	thod 537
Client Data					Lal	boratory Data			,		
Name: Project:	Eastern Analytical, Inc. 176218 NH 104	Matrix:	Aqueous	3	Lal	b Sample:	B7L0002	-BS1	Column:	BEH C18	
Analyte		Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		93.1	80.0	116	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFPeA		95.4	80.0	119	70-130	alanda 10 mahadhari 20 may 11 million 12 may 12 million 12 million 12 million 12 million 12 million 12 million	B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFBS		85.2	80.0	107	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFHxA		94.6	80.0	118	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFHpA.		81.9	80.0	102	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	
PFHxS		91.8	80.0	115	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFOA		82.8	80.0	103	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFOS	to being a control of the control of	78.7	80.0	98.4	70-130	energenens energy or an agent	B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
PFNA		98.4	80.0	123	70-130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
Labeled Standar	rds	Туре		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		. IS		95.1	60- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C3-PFPeA		IS		89.8	60- 150		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C3-PFBS		IS		113	60- 150		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C2-PFHxA		IS		96.5	70- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C4-PFHpA		IS		97.5	60- 150		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
18O2-PFHxS		IS		87.8	60- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C2-PFOA		IS		78.1	60- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C8-PFOS		m is		117	60- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1
13C5-PFNA		IS		86.5	50- 130		B7L0002	04-Dec-17	0.125 L	08-Dec-17 13:24	1

Work Order 1701775



Sample ID: M	IW-1A							Mod	ified EPA Metl	nod 537
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104	Matrix: Date Collected:	Aqueous 20-Nov-17 11:23	Lab	oratory Data Sample: Received:	1701775-0 22-Nov-17		Column:	ВЕН С18	
Analyte		Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		6.16		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFPeA		5.43	The state of the s	4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFBS		ND		4,40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFHxA		ND		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFHpA	Martin (1975) 1 3 - St. St. Carrierin (1974) 1984 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 1 - Carrierin (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 1 - Carrierin (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985 (1974) 1985	ND		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFHxS		ND		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFOA		7.02		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFOS		6.00		4.40	***************************************	B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
PFNA		ND		4.40		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
Labeled Standar	ds Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.7	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C3-PFPeA	IS	113	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C3-PFBS	IS	133	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C2-PFHxA	IS	108	70 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C4-PFHpA	IS	111	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
18O2-PFHxS	IS	103	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C2-PFOA	IS	82.4	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1
13C8-PFOS	IS	102	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	11
13C5-PFNA	IS	70.9	50 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:09	1

LCL-UCL- Lower control limit - upper control limit Results reported to RL.



Sample ID: M	W-4A							Mod	ified EPA Metl	hod 537
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104	Matrix: Date Collected:	Aqueous 20-Nov-17 10:13	Lab	oratory Data Sample: e Received:	1701775-0 22-Nov-17		Column:	ВЕН С18	
Analyte		Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFPeA		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFBS		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFHxA		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFHpA		ND ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	6 9 1 988
PFHxS		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFOA		19,6		4,61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFOS		26.8		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
PFNA		ND		4.61		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
Labeled Standard	ls Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	60 - 130			B7L0002	04-Dec-17	$0.108~\mathrm{L}$	08-Dec-17 14:20	1
13C3-PFPeA	IS	99.1	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C3-PFBS	IS	129	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C2-PFHxA	JS	105	70 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C4-PFHpA	IS	103	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
18O2-PFHxS	${f IS}$	109	60 - 130	¥4		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C2-PFOA	IS	90.6	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C8-PFOS	${ m IS}$	75.1	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1
13C5-PFNA	IS	80.6	50 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:20	1

LCL-UCL- Lower control limit - upper control limit Results reported to RL.



Sample ID: MV	W-6A							Mod	ified EPA Met	hod 537
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104	Matrix: Date Collected:	Aqueous 20-Nov-17 11:59	Lab	oratory Data Sample: e Received:	1701775-0 22-Nov-17		Column:	BEH C18	
Analyte		Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		9.16		4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFPeA		12.9	50 to 10 grade 40 to 20 days to 10 at 10 a	4.24		B7L0002	04-Dec-17	$0.118\mathrm{L}$	08-Dec-17 14:31	1
PFBS		ND		4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFHxA	ekikalingiki (1 km) ka (1 kikim) (1 km) (1 km) ka ka kikimin kikimin kikimin ka (1 km) (1 km) (1 km) (1 km) (1	20.3		4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFHpA		14.0		4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFHxS		8.28		4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFOA		66.1	9 (100)	4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFOS	ing the mark and the extreme the combination of the above the state of the above the above the above the trade of the state of the above	6.86	Standard 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199	4.24		B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
PFNA		ND		4.24		B7L0002	04-Dec-17	$0.118\mathrm{L}$	08-Dec-17 14:31	1
Labeled Standard	ls Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.4	60 - 130			B7L0002	04-Dec-17	$0.118~\mathrm{L}$	08-Dec-17 14:31	1
13C3-PFPeA	IS	97.3	60 - 150			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C3-PFBS	IS	122	60 - 150			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C2-PFHxA	$_{ m IS}$	97.4	70 - 130			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C4-PFHpA	IS	101	60 - 150			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
18O2-PFHxS	IS	109	60 - 130			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C2-PFOA	IS	90.9	60 - 130			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C8-PFOS	IS	88.5	60 - 130			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1
13C5-PFNA	IS	88.3	50 - 130			B7L0002	04-Dec-17	0.118 L	08-Dec-17 14:31	1

LCL-UCL- Lower control limit - upper control limit Results reported to RL.



Sample ID: M	W-7B								Mod	ified EPA Met	hod 537
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104		Matrix: Date Collected:	Aqueous 20-Nov-17 12:19	Lab	oratory Data Sample: te Received:	1701775-0 22-Nov-17		Column:	BEH C18	
Analyte			Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA			5,22		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1.
PFPeA			9.81		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFBS			ND		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFHxA			11.5		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFHpA			7.10		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFHxS			8.70		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFOA			17.1		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFOS			ND		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
PFNA			ND		4.39		B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
Labeled Standard	ls	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	98.1	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
13C3-PFPeA		IS	92.0	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
13C3-PFBS	nimikiliin tulomeen sisteleme lamaa tiraan tili jaassa	IS	112	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
13C2-PFHxA		IS	95.8	70 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
13C4-PFHpA		IS	89.4	60 - 150			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
18O2-PFHxS		IS	105	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	(1448 1 894)
13C2-PFOA	non transfer and training a street and training	IS	90.4	60 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1
13C8-PFOS		IS	94.7	60 - 130		**	B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1 .
13C5-PFNA		IS	113	50 - 130			B7L0002	04-Dec-17	0.114 L	08-Dec-17 14:43	1

LCL-UCL- Lower control limit - upper control limit Results reported to RL.



Sample ID: MW-10 Modified EPA Method 537											
Client Data Name: Project:	Eastern Analytical, Inc. 176218 NH 104		Matrix: Date Collected:	Aqueous 20-Nov-17 09:30	Lab	ooratory Data Sample: e Received:	1701775-(22-Nov-1		Column:	BEH C18	
Analyte			Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA			ND		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFPeA			ND		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFBS			ND		4,62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFHxA			ND		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFHpA			ND		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFHxS			ND		4.62		B7L0002	04-Dec-17	$0.108~\mathrm{L}$	08-Dec-17 14:54	1
PFOA			13.6		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFOS			4.66		4.62		B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
PFNA			ND	p.g. in Statement Statement	4.62		B7L0002	04-Dec-17	$0.108\mathrm{L}$	08-Dec-17 14:54	1
Labeled Standard	ls	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	94.0	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
13C3-PFPeA		IS	97.1	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
13C3-PFBS		IS	115	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
13C2-PFHxA		IS	92.8	70 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	
13C4-PFHpA		IS	100	60 - 150			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	
18O2-PFHxS		IS	107	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
13C2-PFOA		IS	84.1	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	
13C8-PFOS		IS	89.7	60 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	1
13C5-PFNA		IS	93.0	50 - 130			B7L0002	04-Dec-17	0.108 L	08-Dec-17 14:54	. 1
			LOL HOL I	. 11' ' 11' '		3371	1 DELL C	DEO 4 - 1 DEOG			

LCL-UCL- Lower control limit - upper control limit Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

В	This compound was also detected in the method blank.
D	Dilution
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.
M	Estimated Maximum Possible Concentration. (CA Region 2 projects only)
*	See Cover Letter
Conc.	Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency
\mathbf{U}	Not Detected (specific projects only)

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

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CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
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	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
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.

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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	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	EPA 1699
HRGC/HRMS	
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by	EPA 8280A/B
GC/HRMS	
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	EPA 1613B

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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	
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
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

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CHAIN-OF-CUSTODY RECORD eastern analytical

professional laboratory services

1901775 0.0°C

EALID# 176218

Page 1

Sample ID	Date Sampled	d Matrix	aParameters	Sample Notes	
MW-1A	11/20/2017 11:23	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 (9 Compounds)		
MW-4A	11/20/2017 10:13	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 (9 Compounds)		William Town William Hill Control and
MW-6A	11/20/2017 11:59	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 (9 Compounds)		
MW-7B	11/20/2017 12:19	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 (9 Compounds)		

EALID# 176218 **Project State: NH** Project ID: 104 Vista Analytical Laboratory Company 1104 Windfield Way Address El Dorado Hills, CA 95762 Address Account#

(916) 673-1520

Phone #

Fax Number

Results Needed by: Preferred date QC Deliverables \square A \square A+ \square B \square B+ \square C \square P+ Notes about project: Email pdf of results and invoice to customerservice@eailabs.com.

PO#:47238 EALID# 176218 Please call prior to analyzing, if RUSH surcharges will be applied.

Samples Collected by: Received by. Relinguished by Date/Time Received by Relinquished by Date/Time

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603)228-0525

1-800-287-0525

Fax: (603)228-4591

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damages arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees Page 17 of 19

Work Order 1701775

CHAIN-OF-CUSTODY RECORD eastern analytical

1701775

professional laboratory services
EALID# 176218

Page 2

				***************************************	H. H. W. Allen H. W.	
Sample ID	Date Sampled	Matrix	aParameters		Sample Notes	
MVV-10	9:30	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 (9 Compounds)			Commenced and the April of the Commence of the

Project State: NH
Project ID: 104

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762

Account #
Phone # (916) 673-1520

Fax Number

Please call prior to analyzing, if RUSH surcharges will be applied.

Samples Collected by:

Relinquished by
US
Relinquished by

Date/Time Lock

EALID# 176218

Date/Time

Received by

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603)228-0525

1-800-287-0525

PO#:47238

Fax: (603)228-4591

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees

Work Order 1701775



Sample Log-in Checklist

Vista Work Order #: _	THE THE	1701778	TAT	16 days
-----------------------	---------	---------	-----	---------

Samples Arrival:	Date/Tin	ne /17 10	010	Initials:		Location: WR-2 Shelf/Rack: NA		
Logged In:			: WR-	UR-2				
Delivered By:	FedEx	(UPS)	On Tra	c GSO	Hand		Other	
Preservation:	(10	(e)	Blu	ie Ice		Dry Ice None		
Temp °C: 0.0 (uncorrected) Time: 1023 Temp °C: 0.0 (corrected) Probe used: Yes⊠ No□ Thermometer ID: DT-3					DT-3			

				W YES	NO	NA
Adequate Sample Volume Received?						
Holding Time Acceptable?	÷					
Shipping Container(s) Intact?	-					
Shipping Custody Seals Intac	t?	·				1
Shipping Documentation Pres	sent?			/		
Airbill Trk#.	12X465990	01985 17	414			
Sample Container Intact?						
Sample Custody Seals Intact?						1
Chain of Custody / Sample Documentation Present?						
COC Anomaly/Sample Acceptance Form completed?						/
If Chlorinated or Drinking Wat	er Samples, Acce	ptable Pres	ervation?			1
Preservation Documented:	Na ₂ S ₂ O ₃	Trizma	None	Yes	No	NA
Shipping Container	(Vista)	Client	Retain	Return	Disp	ose

Comments:

ID.: LR - SLC

Rev No.: 0

Rev Date: 05/18/2017

Page: 1 of 1

CHAIN-OF-CUSTODY RECORD

eastern analytical

professional laboratory services

aSampleID	Date/Time	aMatrix	Parameters	Sample Notes	# of containers
MW-1 A		GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL (MD)	₃ H2SØ₄ NaOH MEOI	H Na ₂ S ₂ O ₃ (ICE)		
MW-4 A	10:13	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL (NO)	3 (12SO₄ NaOH MEO	H Na₂S₂O₃ Œ)		- 1 to 1 t
MW-6 A	11:59	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL (AND	₃ (f͡ᢓSO)₄ NaOH MEOI	H Na₂S₂O₃ Æ			
MW-7B	1100/17	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS		5
preservative: HCL (HN)	ا کی۔ ه (A₂SO)₄ NaOH MEOI	I H Na₂S₂O₃ (ĈĒ)	i)		
MW-10	Filaelii 69:30	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL (HNO	NaOH MEO	H Na ₂ S ₂ O ₃ (C)			

aClientID	Rye - Breakfast Hill LF	Results Needed by: Preferred date	ReportingOptions HC NO FAX EDD Disk	PO#
nProjectID	104 nYearMonth 2017.11	Notes about project	☐ Fax ☐ No partial FAX ☒ EDD ema	
Client (Pro Mgr)	Paul Schmidt	Dissolved metals field filtered, preserved with nitric acid	lce: Y⊠ N□	// 0-
Customer	CMA Engineers, Inc. (Portsmouth)	1	Samples Collected by: Joans EA	Temperature / - /
Address	35 Bow Street	Invoice town directly	Also 11/20/17 1700	Chadwal
City	Portsmouth NH 03801-3819	PFC's by EPA 537 (9 compound list)	Akelinguished by Date/Time	
Phone	431-6196	· · · ·		(
Fax	431-5376		Relinquished by Date/Time	Received by