



Eastern Analytical, Inc.

professional laboratory and drilling services

PRELIMINARY ANALYTICAL RESULTS ATTACHED

The attached .pdf file contains results that have not been subjected to a final QA/QC review. If you have any questions, please contact us at customerservice@easternanalytical.com or call 1-800-287-0525.

EAI's February Drilling Calendar - Dates Available!

The cold weather doesn't slow down our drilling crew. Now is a great time to schedule your drilling projects while there are plenty of dates available.

To schedule, call 800-287-0525, email customerservice@easternanalytical.com or visit www.EasternAnalytical.com.

Upcoming Events –

NH Society of Professional Engineers Week Annual Awards Banquet & Exhibition

Date: Tuesday, February 19th
Location: Grappone Conference Center Concord, NH
Time: 2:00-5:00 pm Educational Sessions
4:30-6:00 pm Exhibits and Social Hour (*stop by our booth!*)
6:00-8:00 pm Dinner and Presentation

To learn more, visit <https://www.nhspe.org/events/> or email apuntin@BETA-inc.com.

Granite State Rural Water Association Training

Proper Sample Collection Techniques presented by Jeff Gagne, EAI Field Services Manager

Date: Wednesday, February 27th
Location: North Conway Water Precinct, 104 Sawmill Lane, North Conway NH
Time: 9:00 am–3:00 pm

To learn more, visit GSRWA <http://www.granitestatewater.org/Training.asp>.

Environmental Business Council New Hampshire Ascending Professionals Program

Environmental Data Collection and Management presentation by Jenn Laramie, EAI Account Manager

Date: Wednesday, March 13
Location: McLane Middleton 900 Elm Street 10th Floor, Manchester NH
Time: 5:00-7:30 pm

To learn more, visit EBC at <http://ebcne.org/event/>.

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B9B0012-BLK1	Column:	BEH C18
Project:	191579 NH						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFPeA	2706-90-3	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFBS	375-73-5	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFHxA	307-24-4	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFHpA	375-85-9	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFHxS	355-46-4	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFOA	335-67-1	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFNA	375-95-1	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
PFOS	1763-23-1	ND	4.00		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.7	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C3-PFPeA	IS	91.4	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C3-PFBS	IS	103	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C2-PFHxA	IS	93.0	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C4-PFHpA	IS	93.6	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
18O2-PFHxS	IS	93.4	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C2-PFOA	IS	94.4	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C5-PFNA	IS	82.8	50 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1
13C8-PFOS	IS	93.5	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:08	1

RL - Reporting limit

Results reported to RL.

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

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data				
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B9B0012-BS1	Column:	BEH C18		
Project:	191579 NH								

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	85.4	80.0	107	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFPeA	2706-90-3	84.4	80.0	105	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFBS	375-73-5	74.5	80.0	93.2	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFHxA	307-24-4	84.7	80.0	106	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFHpA	375-85-9	82.7	80.0	103	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFHxS	355-46-4	79.0	80.0	98.7	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFOA	335-67-1	82.3	80.0	103	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFNA	375-95-1	84.9	80.0	106	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
PFOS	1763-23-1	86.1	80.0	108	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	101	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C3-PFPeA	IS	97.0	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C3-PFBS	IS	110	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C2-PFHxA	IS	97.4	70 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C4-PFHpA	IS	103	60 - 150		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
18O2-PFHxS	IS	103	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C2-PFOA	IS	96.0	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C5-PFNA	IS	87.6	50 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1
13C8-PFOS	IS	90.0	60 - 130		B9B0012	06-Feb-19	0.125 L	07-Feb-19 14:19	1

Sample ID: Final Effluent					PFAS Isotope Dilution Method					
Client Data					Laboratory Data					
Name:	Eastern Analytical, Inc.		Matrix:	Aqueous	Lab Sample:	1900224-01	Column:	BEH C18		
Project:	191579 NH		Date Collected:	28-Jan-19 08:52	Date Received:	01-Feb-19 11:32				
Location:	191579									
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	29.7	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFPeA	2706-90-3	24.0	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFBS	375-73-5	6.86	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFHxA	307-24-4	52.4	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFHpA	375-85-9	6.80	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFHxS	355-46-4	ND	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFOA	335-67-1	15.6	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFNA	375-95-1	ND	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
PFOS	1763-23-1	ND	4.47		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	92.9	60 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C3-PFPeA	IS	91.4	60 - 150		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C3-PFBS	IS	90.1	60 - 150		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C2-PFHxA	IS	96.4	70 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C4-PFHpA	IS	103	60 - 150		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
18O2-PFHxS	IS	99.0	60 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C2-PFOA	IS	95.6	60 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C5-PFNA	IS	88.1	50 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	
13C8-PFOS	IS	95.1	60 - 130		B9B0012	06-Feb-19	0.112 L	07-Feb-19 14:29	1	

RL - Reporting limit

Results reported to RL.

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
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	Ion ratio outside of 70-130% of Standard Ratio.
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.