



September 10, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2508222**

Ms. Gowin
Zeofill Inc,
5390 E Nye Country Road
Amargosa Valley, NV 89020

Dear Ms. Gowin,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on August 22, 2025 under your Project Name 'PFA 10x30'.ZeoFill OdorZorb

Enthalpy Analytical - EDH is committed to serving you effectively.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

A handwritten signature in black ink, appearing to read 'Silke Mariz Marino', is written over a light grey rectangular background.

Silke Mariz Marino
Project Manager

Enthalpy Analytical -EDH 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 Enthalpy Analytical -EDH.

Enthalpy Analytical - EDH Work Order No. 2508222

Case Narrative

Sample Condition on Receipt:

One solid sample was received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The sample was received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 1633 (Solid)

The sample was extracted and analyzed for a selected list of PFAS using EPA Method 1633. The results for PFHxS, PFOA, PFOSA, PFOS, PFNA MeFOSAA, EtFOSAA, MeFOSA, MeFOSE, EtFOSA, EtFOSE include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The sample was extracted and analyzed within the hold times.

Quality Control

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

A Method Blank, Ongoing Precision and Recovery (OPR) sample, and Low-Level 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 ion transition ratios outside the acceptance criteria are flagged with an "I" qualifier.

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

Table of Contents

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	14
Certifications.....	15
Sample Receipt.....	16

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2508222-01	Zeolite 10x30	20-Aug-25 07:00	22-Aug-25 10:31	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1633					
Client Data Name: Zeolite Project: PFA 10x30 Matrix: Solid					Laboratory Data Lab Sample: B25H265-BLK1 Column: BEH C18					
Analyte	CAS Number	Conc. (ug/kg)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFMPA	377-73-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
3:3 FTCA	356-02-5	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFPeA	2706-90-3	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFMBA	863090-89-5	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
4:2 FTS	757124-72-4	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
NFDHA	151772-58-6	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFBS	375-73-5	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFHxA	307-24-4	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
HFPO-DA	13252-13-6	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFEESA	113507-82-7	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
5:3 FTCA	914637-49-3	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFHpA	375-85-9	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFPeS	2706-91-4	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
ADONA	919005-14-4	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
6:2 FTS	27619-97-2	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFOA	335-67-1	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFHxS	355-46-4	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
7:3 FTCA	812-70-4	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFNA	375-95-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFHpS	375-92-8	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
8:2 FTS	39108-34-4	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFDA	335-76-2	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
MeFOSAA	2355-31-9	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFOS	1763-23-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
EtFOSAA	2991-50-6	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFUnA	2058-94-8	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
9Cl-PF3ONS	756426-58-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFNS	68259-12-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFDoA	307-55-1	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFDS	335-77-3	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFOSA	754-91-6	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFTTrDA	72629-94-8	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
11Cl-PF3OUdS	763051-92-9	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFTeDA	376-06-7	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
PFDoS	79780-39-5	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
MeFOSE	24448-09-7	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	
MeFOSA	31506-32-8	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1	

Sample ID: Method Blank					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Zeolite	Matrix:	Solid	Lab Sample:	B25H265-BLK1	Column:	BEH C18		
Project:	PFA 10x30								
Analyte	CAS Number	Conc. (ug/kg)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSE	1691-99-2	ND	0.100		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
EtFOSA	4151-50-2	ND	0.200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	94	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C5-PFPeA	IS	98	35 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C2-4:2 FTS	IS	92	40 - 165		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C3-PFBS	IS	96	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C5-PFHxA	IS	92	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C3-HFPO-DA	IS	94	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C4-PFHpA	IS	92	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C2-6:2 FTS	IS	90	40 - 215		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C8-PFOA	IS	91	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C3-PFHxS	IS	101	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C9-PFNA	IS	89	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C2-8:2 FTS	IS	96	40 - 275		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C6-PFDA	IS	110	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d3-MeFOSAA	IS	90	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C8-PFOS	IS	87	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d5-EtFOSAA	IS	90	40 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C7-PFUnA	IS	120	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C2-PFDoA	IS	106	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C8-PFOSA	IS	85	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
13C2-PFTeDA	IS	101	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d7-MeFOSE	IS	43	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d3-MeFOSA	IS	65	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d9-EtFOSE	IS	39	15 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1
d5-EtFOSA	IS	51	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:45	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Zeolite	Matrix:	Solid			Lab Sample:	B25H265-BS1	Column:	BEH C18		
Project:	PFA 10x30										
Analyte	CAS Number	Amt Found (ug/kg)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.539	0.500	108	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFMPA	377-73-1	0.460	0.500	92	30 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
3:3 FTCA	356-02-5	0.890	1.00	89	45 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFPeA	2706-90-3	0.563	0.500	113	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFMBA	863090-89-5	0.488	0.500	98	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
4:2 FTS	757124-72-4	1.16	1.00	116	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
NFDHA	151772-58-6	0.509	0.500	102	60 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFBS	375-73-5	0.527	0.500	105	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFHxA	307-24-4	0.559	0.500	112	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
HFPO-DA	13252-13-6	0.548	0.500	110	70 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFEESA	113507-82-7	0.538	0.500	108	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
5:3 FTCA	914637-49-3	0.961	1.00	96	60 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFHpA	375-85-9	0.547	0.500	109	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFPeS	2706-91-4	0.536	0.500	107	55 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
ADONA	919005-14-4	0.537	0.500	107	70 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
6:2 FTS	27619-97-2	0.888	1.00	89	55 - 200		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFOA	335-67-1	1.17	1.00	117	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFHxS	355-46-4	0.529	0.500	106	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
7:3 FTCA	812-70-4	0.937	1.00	94	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFNA	375-95-1	0.540	0.500	108	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFHpS	375-92-8	0.593	0.500	119	65 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
8:2 FTS	39108-34-4	1.07	1.00	107	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFDA	335-76-2	0.526	0.500	105	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
MeFOSAA	2355-31-9	1.03	1.00	103	65 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFOS	1763-23-1	0.542	0.500	108	65 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
EtFOSAA	2991-50-6	1.01	1.00	101	65 - 165		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFUnA	2058-94-8	0.549	0.500	110	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
9Cl-PF3ONS	756426-58-1	0.554	0.500	111	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFNS	68259-12-1	0.592	0.500	118	55 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFDaA	307-55-1	0.551	0.500	110	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFDS	335-77-3	0.592	0.500	118	40 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFOSA	754-91-6	1.04	1.00	104	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFTtDA	72629-94-8	0.549	0.500	110	65 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
11Cl-PF3OUdS	763051-92-9	0.561	0.500	112	45 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Zeolite	Matrix:	Solid			Lab Sample:	B25H265-BS1	Column:	BEH C18		
Project:	PFA 10x30										
Analyte	CAS Number	Amt Found (ug/kg)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTeDA	376-06-7	0.541	0.500	108	65 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
PFDoS	79780-39-5	0.545	0.500	109	25 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
MeFOSE	24448-09-7	0.556	0.500	111	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
MeFOSA	31506-32-8	1.12	1.00	112	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
EtFOSE	1691-99-2	0.556	0.500	111	70 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
EtFOSA	4151-50-2	0.981	1.00	98	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C4-PFBA	IS		101	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C5-PFPeA	IS		108	35 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C2-4:2 FTS	IS		85	40 - 165		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C3-PFBS	IS		98	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C5-PFHxA	IS		96	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C3-HFPO-DA	IS		101	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C4-PFHpA	IS		97	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C2-6:2 FTS	IS		103	40 - 215		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C8-PFOA	IS		93	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C3-PFHxS	IS		101	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C9-PFNA	IS		107	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C2-8:2 FTS	IS		96	40 - 275		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C6-PFDA	IS		86	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d3-MeFOSAA	IS		109	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C8-PFOS	IS		101	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d5-EtFOSAA	IS		123	40 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C7-PFUnA	IS		91	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C2-PFDoA	IS		87	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C8-PFOSA	IS		97	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
13C2-PFTeDA	IS		74	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d7-MeFOSE	IS		60	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d3-MeFOSA	IS		78	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d9-EtFOSE	IS		59	15 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	
d5-EtFOSA	IS		70	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 17:58	1	

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Zeolite	Matrix:	Solid			Lab Sample:	B25H265-BS2	Column:	BEH C18		
Project:	PFA 10x30										
Analyte	CAS Number	Amt Found (ug/kg)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.172	0.160	108	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFMPA	377-73-1	0.154	0.160	96	30 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
3:3 FTCA	356-02-5	0.273	0.320	85	45 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFPeA	2706-90-3	0.181	0.160	113	60 - 150	I	B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFMBA	863090-89-5	0.156	0.160	98	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
4:2 FTS	757124-72-4	0.363	0.320	113	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
NFDHA	151772-58-6	0.162	0.160	102	60 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFBS	375-73-5	0.161	0.160	100	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFHxA	307-24-4	0.162	0.160	101	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
HFPO-DA	13252-13-6	0.174	0.160	109	70 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFEESA	113507-82-7	0.173	0.160	108	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
5:3 FTCA	914637-49-3	0.330	0.320	103	60 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFHpA	375-85-9	0.168	0.160	105	65 - 145		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFPeS	2706-91-4	0.170	0.160	106	55 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
ADONA	919005-14-4	0.167	0.160	105	70 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
6:2 FTS	27619-97-2	0.338	0.320	106	55 - 200		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFOA	335-67-1	0.413	0.320	129	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFHxS	355-46-4	0.181	0.160	113	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
7:3 FTCA	812-70-4	0.290	0.320	91	60 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFNA	375-95-1	0.192	0.160	120	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFHpS	375-92-8	0.152	0.160	95	65 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
8:2 FTS	39108-34-4	0.318	0.320	99	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFDA	335-76-2	0.170	0.160	106	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
MeFOSAA	2355-31-9	0.332	0.320	104	65 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFOS	1763-23-1	0.166	0.160	104	65 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
EtFOSAA	2991-50-6	0.354	0.320	111	65 - 165		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFUnA	2058-94-8	0.167	0.160	104	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
9Cl-PF3ONS	756426-58-1	0.187	0.160	117	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFNS	68259-12-1	0.179	0.160	112	55 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFDoA	307-55-1	0.193	0.160	120	70 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFDS	335-77-3	0.170	0.160	106	40 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFOSA	754-91-6	0.316	0.320	99	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFTtDA	72629-94-8	0.184	0.160	115	65 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
11Cl-PF3OUdS	763051-92-9	0.188	0.160	117	45 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Zeolite	Matrix:	Solid			Lab Sample:	B25H265-BS2	Column:	BEH C18		
Project:	PFA 10x30										
Analyte	CAS Number	Amt Found (ug/kg)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTeDA	376-06-7	0.185	0.160	115	65 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
PFDoS	79780-39-5	0.179	0.160	112	25 - 160		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
MeFOSE	24448-09-7	0.178	0.160	111	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
MeFOSA	31506-32-8	0.353	0.320	110	70 - 155		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
EtFOSE	1691-99-2	0.190	0.160	118	70 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
EtFOSA	4151-50-2	0.340	0.320	106	70 - 140		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA		IS		98	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C5-PFPeA		IS		103	35 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C2-4:2 FTS		IS		87	40 - 165		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C3-PFBS		IS		102	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C5-PFHxA		IS		93	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C3-HFPO-DA		IS		96	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C4-PFHpA		IS		93	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C2-6:2 FTS		IS		94	40 - 215		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C8-PFOA		IS		90	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C3-PFHxS		IS		103	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C9-PFNA		IS		93	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C2-8:2 FTS		IS		100	40 - 275		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C6-PFDA		IS		105	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d3-MeFOSAA		IS		99	40 - 135		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C8-PFOS		IS		101	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d5-EtFOSAA		IS		102	40 - 150		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C7-PFUnA		IS		119	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C2-PFDoA		IS		109	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C8-PFOSA		IS		87	40 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
13C2-PFTeDA		IS		101	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d7-MeFOSE		IS		45	20 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d3-MeFOSA		IS		72	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d9-EtFOSE		IS		38	15 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1
d5-EtFOSA		IS		57	10 - 130		B25H265	31-Aug-25	5.00 g	03-Sep-25 18:12	1

Sample ID: Zeolite 10x30					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Zeolite	Matrix:	Solid	Lab Sample:	2508222-01	Column:	BEH C18		
Project:	PFA 10x30	Date Collected:	20-Aug-25 07:00	Date Received:	22-Aug-25 10:31				
				% Solids:	98.3				
Analyte	CAS Number	Conc. (ug/kg)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFMPA	377-73-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
3:3 FTCA	356-02-5	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFPeA	2706-90-3	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFMBA	863090-89-5	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
4:2 FTS	757124-72-4	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
NFDHA	151772-58-6	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFBS	375-73-5	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFHxA	307-24-4	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
HFPO-DA	13252-13-6	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFEESA	113507-82-7	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
5:3 FTCA	914637-49-3	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFHpA	375-85-9	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFPeS	2706-91-4	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
ADONA	919005-14-4	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
6:2 FTS	27619-97-2	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFOA	335-67-1	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFHxS	355-46-4	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
7:3 FTCA	812-70-4	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFNA	375-95-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFHpS	375-92-8	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
8:2 FTS	39108-34-4	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFDA	335-76-2	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
MeFOSAA	2355-31-9	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFOS	1763-23-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
EtFOSAA	2991-50-6	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFUnA	2058-94-8	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
9Cl-PF3ONS	756426-58-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFNS	68259-12-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFDoA	307-55-1	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFDS	335-77-3	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFOSA	754-91-6	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFTTrDA	72629-94-8	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
11Cl-PF3OUdS	763051-92-9	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFTeDA	376-06-7	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
PFDoS	79780-39-5	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
MeFOSE	24448-09-7	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1

Sample ID: Zeolite 10x30				EPA Method 1633					
Client Data				Laboratory Data					
Name:	Zeolite	Matrix:	Solid	Lab Sample:	2508222-01	Column:	BEH C18		
Project:	PFA 10x30	Date Collected:	20-Aug-25 07:00	Date Received:	22-Aug-25 10:31				
				% Solids:	98.3				
Analyte	CAS Number	Conc. (ug/kg)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
EtFOSE	1691-99-2	ND	0.0996		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
EtFOSA	4151-50-2	ND	0.199		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95	10 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C5-PFPeA	IS	101	35 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C2-4:2 FTS	IS	82	40 - 165		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C3-PFBS	IS	89	40 - 135		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C5-PFHxA	IS	92	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C3-HFPO-DA	IS	97	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C4-PFHpA	IS	92	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C2-6:2 FTS	IS	96	40 - 215		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C8-PFOA	IS	85	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C3-PFHxS	IS	94	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C9-PFNA	IS	89	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C2-8:2 FTS	IS	93	40 - 275		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C6-PFDA	IS	77	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d3-MeFOSAA	IS	88	40 - 135		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C8-PFOS	IS	92	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d5-EtFOSAA	IS	88	40 - 150		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C7-PFUnA	IS	81	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C2-PFDoA	IS	70	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C8-PFOSA	IS	79	40 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
13C2-PFTeDA	IS	69	20 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d7-MeFOSE	IS	41	20 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d3-MeFOSA	IS	53	10 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d9-EtFOSE	IS	37	15 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1
d5-EtFOSA	IS	58	10 - 130		B25H265	31-Aug-25	5.11 g	03-Sep-25 22:48	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

For EPA 1633

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
I	Ion transition ratio is outside of the acceptance criteria.
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	Recovery and/or RPD was outside laboratory acceptance limits
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
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.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.



ENTHALPY ANALYTICAL

Chain of Custody Record

Turn Around Time (rush by advanced notice only)

Lab No:	2508222			Standard:	X	5 Day:		3 Day:	
Page:	1	of	1	2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix:

W = Water

DW = Drinking Water

S = Soil / Solid

WP = Wipe

SEA = Sea Water

O = Other

Preservatives:

1 = $\text{Na}_2\text{S}_2\text{O}_3$

2 = HCl

3 = HNO_3

4 = H_2SO_4

5 = NaOH

6 = Other

Sample Receipt Temp:

0.0°C

(lab use only)

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company:	KMI Zeolite	Quote #:	
Report To:	Jaime Gowin	Proj. Name:	PFA 10x30
Email:	jaime@kmizeolite.com	Proj. #:	
Address:	5390 E Nye County Road #266	P.O. #:	
	Amargosa Valley, NV 89020	Address:	
Phone:	775-277-0523	Global ID:	
Fax:		Sampled By:	

1633 PFAS

Sample ID	Sampling Date	Sampling Time	Matrix	Number of Containers	Preservative
1 Zeolite 10x30	08/20/25	7:00AM	S	1	
2					
3					
4					
5					
6					
7					
8					
9					
10					

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jaime Gowin	KMI Zeolite	08/20/25 7:00AM
1 Received By:		Brenda Hamer	EA SLM	8/21/25 0805
2 Relinquished By:		Brenda Hamer	EA/SSM	8/21/25 1800
2 Received By:		Xitahy Olivos	EPH	08/22/25 10:31
3 Relinquished By:				
3 Received By:				

CoC/Label Reconciliation Report WO# 2508222

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2508222-01	A Zeolite 10x30	☐ A	20-Aug-25 07:00 ☐ A	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	☒	☐	☐
Sample Container(s) Custody Seals Intact?	☐	☐	☒
Custody Seals On Cooler Intact?	☐	☐	☒
Adequate Sample Volume?	☒	☐	☐
Container Type Appropriate for Analysis(es)?	☒	☐	☐

Comments:

A Sample received without sample label

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: 16x08/22/25
2020 08/22/25