October 18, 2024

Patrick Montuori HRP Associates - NY 1 Fairchild Square, Suite 110 Clifton Park, NY 12065

Project Location: 321-333 S. Main streer=t, Gloversville, NY

Client Job Number:

Project Number: GLO8016.GW

Laboratory Work Order Number: 24I4212

Enclosed are results of analyses for samples as received by the laboratory on September 27, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino Project Manager

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HRP Associates - NY 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 ATTN: Patrick Montuori

REPORT DATE: 10/18/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: GLO8016.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I4212

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 321-333 S. Main streer=t, Gloversville, NY

FIELD SAMPLE # LAB ID: MATRIX SAMPLE DESCRIPTION TEST SUB LAB

Soil-24-PFAS 2414212-01 Soil Draft Method 1633
SM 2540G



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side

bias is on the high side.

Analyte & Samples(s) Qualified:

D9-NEtFOSE

S112435-CCB5

N-ethylperfluorooctanesulfonamidoethanol (NEtFO)

S112435-CCB5

PF-17C

Extracted internal standard is outside of control limits. Analyte is a known difficult compound.

Analyte & Samples(s) Qualified:

D3-NMeFOSA

B389424-BLK1, B389424-MRL1

D5-NEtFOSA

B389424-BLK1, B389424-MRL1

D9-NEtFOSE

B389424-BLK1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

13C5-PFPeA

S112435-CCV5

13C8-PFOA

24I4212-01[Soil-24-PFAS]

3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA

S112435-CCV5

Perfluoro-3-methoxypropanoic acid (PFMPA)

S112435-CCV5

Perfluoro-4-methoxybutanoic acid (PFMBA)

S112435-CCV5

Perfluorooctanoic acid (PFOA)

24I4212-01[Soil-24-PFAS]

Perfluoropentanoic acid (PFPeA)

S112435-CCV5

SM 2540G

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

% Solids

24I4212-01[Soil-24-PFAS]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington Technical Representative

Lua Watthensten



Project Location: 321-333 S. Main streer=t, Glovers Sample Description: Work Order: 24I4212

Date Received: 9/27/2024

Field Sample #: Soil-24-PFAS Sampled: 9/26/2024 15:40

Sample ID: 24I4212-01
Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS $\,$

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorooctanoic acid (PFOA)	ND	0.20	μg/kg dry	1	S-29	Draft Method 1633	10/16/24	10/18/24 0:36	AMS
Perfluorooctanesulfonic acid (PFOS)	0.74	0.20	μg/kg dry	1		Draft Method 1633	10/16/24	10/18/24 0:36	AMS
Surrogates		% Recovery	Recovery Limits	6	Flag/Qual				
13C8-PFOA		56.6 *	60-140		S-29			10/18/24 0:36	
13C8-PFOS		58.1	45-140					10/18/24 0:36	



Project Location: 321-333 S. Main streer=t, Glovers Sample Description: Work Order: 24I4212

Date Received: 9/27/2024

Field Sample #: Soil-24-PFAS Sampled: 9/26/2024 15:40

Sample ID: 24I4212-01
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		82.6		% Wt	1	H-06	SM 2540G	10/8/24	10/8/24 12:45	MLR



Sample Extraction Data

Prep Method:Draft Method 1633 Analytical Method:Draft Method 1633

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I4212-01 [Soil-24-PFAS]	B389424	6.07	5.00	10/16/24
				_

Prep Method:% Solids Analytical Method:SM 2540G

Lab Number [Field ID]	Batch	Date
24I4212-01 [Soil-24-PFAS]	B388661	10/08/24



QUALITY CONTROL

Spike

Source

%REC

RPD

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Reporting

Amalysta	D14	Reporting	I In:4-	Spike	Source	%REC	DDD	RPD Limit	N-4
Analyte	Result	Limit	Units	Level	Result %REC	Limits	RPD	Limit	Notes
Satch B389424 - Draft Method 1633									
Blank (B389424-BLK1)				Prepared: 10	/16/24 Analyzed: 10/17/2	4			
erfluorooctanoic acid (PFOA)	ND	0.20	μg/kg wet						
erfluorooctanesulfonic acid (PFOS)	ND	0.20	μg/kg wet						
urrogate: 13C4-PFBA	9.50		μg/kg wet	9.923	95.7	10-130			
urrogate: 13C5-PFPeA	5.46		μg/kg wet	4.961	110	35-150			
urrogate: 13C5-PFHxA	2.29		μg/kg wet	2.481	92.3	55-150			
urrogate: 13C4-PFHpA	2.30		$\mu g/kg$ wet	2.481	92.7	55-150			
urrogate: 13C8-PFOA	2.36		$\mu g/kg$ wet	2.481	95.2	60-140			
urrogate: 13C9-PFNA	1.18		μg/kg wet	1.240	94.9	55-140			
urrogate: 13C6-PFDA	1.21		μg/kg wet	1.240	97.8	50-140			
urrogate: 13C7-PFUnA	1.27		μg/kg wet	1.240	102	30-140			
urrogate: 13C2-PFDoA	1.09		μg/kg wet	1.240	87.6	10-150			
urrogate: 13C2-PFTeDA	0.750		μg/kg wet	1.240	60.4	10-130			
urrogate: 13C3-PFBS	2.41		μg/kg wet	2.481	97.3	55-150			
urrogate: 13C3-PFHxS	2.49		μg/kg wet	2.481	100	55-150			
urrogate: 13C8-PFOS	2.37		μg/kg wet	2.481	95.6	45-140			
urrogate: 13C2-4:2FTS	4.69		μg/kg wet	4.961	94.5	60-200			
urrogate: 13C2-6:2FTS	4.65		μg/kg wet	4.961	93.7	60-200			
urrogate: 13C2-8:2FTS	4.63		μg/kg wet	4.961	93.3	50-200			
urrogate: 13C8-PFOSA	2.21		μg/kg wet	2.481	89.2	30-130			
urrogate: D3-NMeFOSA	0.0218		μg/kg wet	2.481	0.878 *	15-130			PF-17C
urrogate: D5-NEtFOSA	0.00258		μg/kg wet	2.481	0.104 *	10-130			PF-17C
urrogate: D3-NMeFOSAA	4.75		μg/kg wet	4.961	95.7	45-200			
urrogate: D5-NEtFOSAA	4.74		μg/kg wet	4.961	95.4	10-200			
urrogate: D7-NMeFOSE	2.64		μg/kg wet	24.81	10.6	10-150			
urrogate: D9-NEtFOSE	1.38		μg/kg wet	24.81	5.58 *	10-150			PF-17C
urrogate: 13C3-HFPO-DA	8.89		μg/kg wet	9.923	89.6	25-160			
CS (B389424-BS1) erfluorooctanoic acid (PFOA)	2.21	0.19	μg/kg wet		/16/24 Analyzed: 10/17/2				
erfluorooctanesulfonic acid (PFOS)	2.31 2.17	0.19	μg/kg wet μg/kg wet	2.326 2.159	99.1 100	52-161 58-149			
<u> </u>									
urrogate: 13C4-PFBA			ug/kg wet	9 694	69.6	10-130			
=	6.75		μg/kg wet	9.694 4.847	69.6 80.0	10-130 35-150			
urrogate: 13C5-PFPeA			μg/kg wet	4.847	69.6 80.0 65.4	10-130 35-150 55-150			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA	6.75 3.88		μg/kg wet μg/kg wet	4.847 2.423	80.0 65.4	35-150			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA	6.75 3.88 1.59		μg/kg wet	4.847	80.0	35-150 55-150			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA	6.75 3.88 1.59 1.56		μg/kg wet μg/kg wet μg/kg wet μg/kg wet	4.847 2.423 2.423	80.0 65.4 64.5	35-150 55-150 55-150			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA	6.75 3.88 1.59 1.56 1.67		μg/kg wet μg/kg wet μg/kg wet	4.847 2.423 2.423 2.423	80.0 65.4 64.5 68.9	35-150 55-150 55-150 60-140			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA	6.75 3.88 1.59 1.56 1.67 0.851		μg/kg wet μg/kg wet μg/kg wet μg/kg wet μg/kg wet	4.847 2.423 2.423 2.423 1.212	80.0 65.4 64.5 68.9 70.2	35-150 55-150 55-150 60-140 55-140			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA	6.75 3.88 1.59 1.56 1.67 0.851		μg/kg wet μg/kg wet μg/kg wet μg/kg wet μg/kg wet μg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212	80.0 65.4 64.5 68.9 70.2 68.6	35-150 55-150 55-150 60-140 55-140 50-140			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA urrogate: 13C7-PFUnA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834		μg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212	80.0 65.4 64.5 68.9 70.2 68.6 68.8	35-150 55-150 55-150 60-140 55-140 50-140 30-140			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA urrogate: 13C2-PFDoA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767		μg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA urrogate: 13C2-PFDoA urrogate: 13C2-PFDOA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681		µg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA urrogate: 13C2-PFDoA urrogate: 13C2-PFDOA urrogate: 13C3-PFBS urrogate: 13C3-PFBS	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62		µg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212 1.212 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150			
arrogate: 13C5-PFPeA arrogate: 13C4-PFHxA arrogate: 13C4-PFHpA arrogate: 13C8-PFOA arrogate: 13C6-PFDA arrogate: 13C7-PFUnA arrogate: 13C2-PFDoA arrogate: 13C2-PFDOA arrogate: 13C3-PFBS arrogate: 13C3-PFHxS arrogate: 13C8-PFOS	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71		μg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212 1.212 2.423 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHxA urrogate: 13C4-PFHpA urrogate: 13C9-PFNA urrogate: 13C9-PFNA urrogate: 13C7-PFUnA urrogate: 13C2-PFDoA urrogate: 13C2-PFDoA urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C3-PFOS urrogate: 13C3-PFOS	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69		μg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212 1.212 2.423 2.423 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 55-150 45-140			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHyA urrogate: 13C4-PFHyA urrogate: 13C9-PFNA urrogate: 13C9-PFNA urrogate: 13C7-PFUnA urrogate: 13C2-PFDoA urrogate: 13C2-PFDoA urrogate: 13C3-PFBS urrogate: 13C3-PFHyS urrogate: 13C3-PFOS	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35		μg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 4.847	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C9-PFNA urrogate: 13C7-PFUA urrogate: 13C7-PFUA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C3-PFHxS urrogate: 13C3-PFOS urrogate: 13C2-4:2FTS urrogate: 13C2-6:2FTS urrogate: 13C2-8:2FTS	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37		μg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 4.847 4.847	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C7-PFUA urrogate: 13C7-PFUA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFTDA urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C3-PFHxS urrogate: 13C2-4:2FTS urrogate: 13C2-6:2FTS urrogate: 13C2-8:2FTS urrogate: 13C3-PFOSA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37 3.22		µg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 2.423 4.847 4.847	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2 69.5 66.3	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200 50-200			
urrogate: 13C5-PFPeA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C9-PFNA urrogate: 13C7-PFUA urrogate: 13C7-PFUA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C3-PFHxS urrogate: 13C3-PFSS urrogate: 13C2-4:2FTS urrogate: 13C2-6:2FTS urrogate: 13C2-8:2FTS urrogate: 13C8-PFOSA urrogate: 13C8-PFOSA urrogate: 13C8-PFOSA urrogate: 13C8-PFOSA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37 3.22 1.47		µg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 2.423 4.847 4.847 4.847 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2 69.5 66.3 60.8	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200 50-200 30-130			
urrogate: 13C4-PFBA urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C6-PFDA urrogate: 13C7-PFUnA urrogate: 13C2-PFDOA urrogate: 13C2-PFDOA urrogate: 13C2-PFBS urrogate: 13C3-PFBS urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C3-PFS urrogate: 13C2-4:2FTS urrogate: 13C2-6:2FTS urrogate: 13C2-8:2FTS urrogate: 13C8-PFOSA urrogate: D3-NMeFOSA urrogate: D5-NEtFOSA urrogate: D3-NMeFOSA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37 3.22 1.47 0.732		µg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 2.423 4.847 4.847 4.847 2.423 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2 69.5 66.3 60.8 30.2	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200 50-200 30-130 15-130			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFDOA urrogate: 13C3-PFBS urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C2-4:2FTS urrogate: 13C2-6:2FTS urrogate: 13C2-8:2FTS urrogate: 13C8-PFOSA urrogate: D3-NMeFOSA urrogate: D5-NEtFOSA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37 3.22 1.47 0.732 0.457		µg/kg wet	4.847 2.423 2.423 2.423 1.212 1.212 1.212 1.212 2.423 2.423 2.423 4.847 4.847 4.847 2.423 2.423 2.423 2.423	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2 69.5 66.3 60.8 30.2 18.8	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200 50-200 30-130 15-130 10-130			
urrogate: 13C5-PFPeA urrogate: 13C5-PFHxA urrogate: 13C4-PFHpA urrogate: 13C8-PFOA urrogate: 13C9-PFNA urrogate: 13C6-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C2-PFDA urrogate: 13C3-PFBS urrogate: 13C3-PFBS urrogate: 13C3-PFHxS urrogate: 13C2-QFTS urrogate: 13C3-PFOSA urrogate: D3-NMeFOSA urrogate: D3-NMeFOSA urrogate: D3-NMeFOSA	6.75 3.88 1.59 1.56 1.67 0.851 0.832 0.834 0.767 0.681 1.62 1.71 1.69 3.35 3.37 3.22 1.47 0.732 0.457 3.27		µg/kg wet	4.847 2.423 2.423 1.212 1.212 1.212 1.212 1.212 2.423 2.423 4.847 4.847 4.847 2.423 2.423 4.847	80.0 65.4 64.5 68.9 70.2 68.6 68.8 63.3 56.2 66.9 70.4 69.6 69.2 69.5 66.3 60.8 30.2 18.8 67.5	35-150 55-150 55-150 60-140 55-140 50-140 30-140 10-150 10-130 55-150 45-140 60-200 60-200 50-200 30-130 15-130 10-130 45-200			



Surrogate: D5-NEtFOSAA

Surrogate: D7-NMeFOSE

Surrogate: D9-NEtFOSE

Surrogate: 13C3-HFPO-DA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Spike

Source

%REC

RPD

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Reporting

4.08

10.3

8.60

7.27

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B389424 - Draft Method 1633										
LCS (B389424-BS1)				Prepared: 10)/16/24 Analy	yzed: 10/17/2	24			
Surrogate: 13C3-HFPO-DA	6.34		μg/kg wet	9.694		65.4	25-160			
MRL Check (B389424-MRL1)				Prepared: 10)/16/24 Analy	yzed: 10/17/2	24			
Perfluorooctanoic acid (PFOA)	0.191	0.19	μg/kg wet	0.1931		98.7	57-161			
Perfluorooctanesulfonic acid (PFOS)	0.214	0.19	μg/kg wet	0.1792		119	43-162			
Surrogate: 13C4-PFBA	7.92		μg/kg wet	9.654		82.0	10-130			
Surrogate: 13C5-PFPeA	4.54		μg/kg wet	4.827		94.0	35-150			
Surrogate: 13C5-PFHxA	1.88		μg/kg wet	2.414		78.0	55-150			
Surrogate: 13C4-PFHpA	1.87		μg/kg wet	2.414		77.4	55-150			
Surrogate: 13C8-PFOA	2.02		μg/kg wet	2.414		83.6	60-140			
Surrogate: 13C9-PFNA	0.979		μg/kg wet	1.207		81.1	55-140			
Surrogate: 13C6-PFDA	0.957		μg/kg wet	1.207		79.3	50-140			
Surrogate: 13C7-PFUnA	0.990		μg/kg wet	1.207		82.1	30-140			
Surrogate: 13C2-PFDoA	0.870		μg/kg wet	1.207		72.1	10-150			
Surrogate: 13C2-PFTeDA	0.718		μg/kg wet	1.207		59.5	10-130			
Surrogate: 13C3-PFBS	1.89		μg/kg wet	2.414		78.2	55-150			
Surrogate: 13C3-PFHxS	2.01		μg/kg wet	2.414		83.1	55-150			
Surrogate: 13C8-PFOS	2.00		μg/kg wet	2.414		82.9	45-140			
Surrogate: 13C2-4:2FTS	3.90		μg/kg wet	4.827		80.8	60-200			
Surrogate: 13C2-6:2FTS	3.77		μg/kg wet	4.827		78.0	60-200			
Surrogate: 13C2-8:2FTS	3.76		μg/kg wet	4.827		77.9	50-200			
Surrogate: 13C8-PFOSA	1.84		μg/kg wet	2.414		76.3	30-130			
Surrogate: D3-NMeFOSA	0.348		μg/kg wet	2.414		14.4 *	15-130			PF-17C
Surrogate: D5-NEtFOSA	0.107		μg/kg wet	2.414		4.41 *	10-130			PF-17C
Surrogate: D3-NMeFOSAA	3.91		μg/kg wet	4.827		80.9	45-200			

 $\mu g/kg \; wet$

 $\mu g/kg \ wet$

 $\mu g/kg$ wet

 $\mu g/kg$ wet

4.827

24.14

24.14

9.654

84.6

42.5

35.6

75.3

10-200

10-150

10-150

25-160



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
PF-17C	Extracted internal standard is outside of control limits. Analyte is a known difficult compound.
S-29	Extracted Internal Standard is outside of control limits.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte Certifications

Draft Method 1633 in Soil

Perfluorooctanoic acid (PFOA) NH-P,NY,PA,WV
Perfluorooctanesulfonic acid (PFOS) NH-P,NY,PA,WV

Draft Method 1633 in Water

Perfluorooctanoic acid (PFOA) NH-P,NY,PA,WV,CT
Perfluorooctanesulfonic acid (PFOS) NH-P,NY,PA,WV,CT

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2025

	1 1	-	-	16				E		0	Sec	<u>_</u>					iği I			<u>a</u>									Ia	ble	of Co	ntents	3
1 of 1	# of Containers	² Preservation Code	3 Container Code	Dissolved Metals Sampl	Field Filtered	Lab to Filter	arthophosphate Sampl	Field Filtered	Lab to Filter		1 <u>Matrix Codes:</u> GW = Ground Water	VW = waste mater DW = Drinking Water	A = Air S = Soil	SL = Sludge SOL = Solid	O = Other (please define)		2 Preservation Codes:	H = HCL M = Methanol	= Nitric Acid = Sulfuric Acid	Sodium BisulfateSodium Hydroxide	T = Sodium Thiosulfate	0 - Other (please	derine)	Container Codes:	A = Amber Glass G = Glass	P = Plastic	ST = Sterile V = Vial	S = Summa Canister T = Tedlar Bag	O = Other (please define)		PCB ONLY Soxhlet	Non Soxhlet	
Page	# of Co	² Prese	³ Conta	Diss [<u>-</u>		arti				26	\$ 6	K S	작 있	о ў	1	2 2	" ×	<u>"</u> "	<u>"</u> "	Ë	0	<u> </u>	کآر	₹ ७	ھ	<u>ہ</u> کا	Ϋ́F	၀ ဗီ	İ			
1800 Elm Street SE Minneapolis, MN 55414				ANALYSIS REQUESTED																			Please use the following codes to indicate possible sample concentration within the Conc Code column above:	H - High; M - Medium; L - Low; C - Clean; U - Unknown	Beliverables	Enhanced Data Package	NYSDEC EQUIS EDD	EQUIS (Standard) EDD	NY Regs Hits-Only EDD	NELAC and Alha-LAP, LLC Accredited	Other Chromatogram	AIHA-LAP,LLC	*
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7026 # 380 Rev 1_03242017	-			ANALY			2.																lowing codes to indicate possible sam	lum; L - Low				1		NELAC	V LAW	3°)	
oc # 380	-	+	-	(88	9))2(04.	d.A	Ac	44	2				-	-	-					ollowing o	M - Med	Miller						VQAM	School	
Ī				T	_			F	1	П	Conc		T	T	T	T	T	T					se the f	I - High						ŀ	[1
HAIN OF CUSTODY RECORD (New York)	amainand Tittle	Jan Const	And Pertified	3-Day	4-Day	Delivery	EXCEL	· ban			Grab Matrix	X	+	-			+	-			F	1	Please us	_		r Information	NY CP-51		ı			Municipality 21 J	Brownneta
' https://www.pacelabs.com/ t of custody record (New	Requested 190	777	010	Mental Comment][_	ele sted	POF ([] E	Other:	Data rag nega		Composite															Program & Regulationy Information	AWQ STDS	Part 360 GW (Landfill)	NY Restricted Use NY Unrestricted Use	375			
22 CHAIN		7-Day	Due Date:	1-Day	2-Day		Format:	Other:	Email To:	Fax To #:	Ending Date/Time	2:40														Progra	AWQ STDS	Part 360	NY Resta	NY Part 375	_ ₹	Government Federal	City
24C fl. 22	1/2			5		c NY					Beginning Date/Time		וומומו																	_	Project Entity		
Phone: 612-607-6400 Fax: 612-607-6344		intact-environmental	S	Cutton ray FIN	00 100 100	6		Z	ote Name/Number	2000	Client Sample ID / Description	DEAS	- CT- FF 133													Date/Time:	921 3.10	9/27 15.4	Date/Time: 11 +2	/Time:	9(17 14.55 Date/Time:	Date/Time:	
Phone Fax: (com/contact-us/co	O	Sq #110	100	Main Street	35	· Mentuor	er Antonia	MON DO	Cilent Samp	1.11	2011-12										Souly.	0				Paris		1 23	5-0		
Face Analytical"		Contact: https://www.pacelabs.com/contact-us/contact-environmental-sclences/	Company Name: 420	Address: [Falv Chail of	7	Project Name: Former P	Project Number: 610.8016.	Pa		dent:	Sampleo by. Pace Analytical	Work Order#										1	Comments: PEOA + PEOS are			Polinguished by: (signature)	2. She SEFT	Received by: (signature)	Reunquished	Recaived by: (Signature)	Solladished for Signature)	Received by: (sign	

Doc # 380 Rev 1_03242017

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

	Eff	ective Date: 06/11/2024		
Client		Back-Sheet sols and 15	Login Sample Receipt Checklist – (Reject – Using Acceptance Policy) Any False st brought to the attention of the Client –	tatement will be - True or False
Cilent_	Firma in	2 cpprepril Buther		True False
	0 0	SCHU CLUM BOUNT	Received on Ice	
MCP/RCP Red	1	NA		
	ackage Requirement	25 11 (0 5/100)	Received in Cooler LIOVOS WWO NV Custody Seal: DATE TIME	
Location	371-353	5. Min Stiple	Custody Seal: BATE / TIME	
PWSID# (Whe	en Applicable)		COC Relinquished	
Arrival Metho	od:		COC/Samples Labels Agree	Ш
	Fed Ex Walk In		All Samples in Good Condition	
	Date / Time Chri		Samples Received within Holding Tim	ie VI LI
Back-Sheet B	y / Date / Time <u>/ A</u>	9135114/338	Is there enough Volume	
Temperature	Method	Pn # 6	Proper Media/Container Used	
WV samples:	Yes (see note*) No	(follow normal procedure)	Splitting Samples Required	
Temp /<	6° C Actual Tempera	ture_S		
Rush Sample	s: Yes Notify_		MS/MSD	
Short Hold:	Yes / No Notify_		Trip Blanks	
		1	Lab to Filters	
Notes re	garding Samples/	COC outside of SOP:	COC Legible	↓
-			COC Included: (Check all included	1)
			Client Analysis	Sampler Name
1			Project IDs	Collection Date/Time
1			All Samples Proper pH: N	A 🗆 🗆
			Additional Cont	ainer Notes
			*Note: West Virginia requires al	ll samples to have their
-			temperature taken. Note any ou	
			temperature taken. Note any or	
-				

Qualtrax ID: 120836



DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

	8oz Am 4oz Am	1 Liter 250mL 1
	4oz Am 2oz Am Unpres HCL Sulfurio Sulfurio Phosph	1 Liter 250mL
	2 oz Am Unpres HCL Sulfuri Sulfuri Phosph	1 Liter 250mL
	Unpres HCL Sulfurio Sulfurio Phosph	1 Liter 250mL
	HCL Sulfurior Sulfurior Phosph	1 Liter 250mL
	Sulfurion Sulfurion Phosph HCI	Liter 250mL
	Sulfuri Phosph HCl	c 250mL
	Phosph HCI	
	HCI	
	Unpres	anyod B
		= Ved
	Unpre	
1 1 1 1	Sulfuri	served 1
	Unpre	served 500 mL
	Sulfuri	c P
	Unpre	served
	Trizma	Served Plastics
	Sulfuri	
	Nitric	250mL
	NaOH	
	Ammoni	um Acetate
	NaOH	/Zinc
	Unpre	served
	HCI	VOA
	MeOH	JA V
	D.I. W	ater Sia
	BiSulf	ate
	Col/Ba	act
		Other / Fill in
1		BiSulf: Col/8a