

Client ID: Raw (IN001)

Lab ID: 250114-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
<b>Organics-PFAS Isotope Dilution</b>										
763051-92-9	11Cl-PF3OUdS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
356-02-5	3:3FTCA	ND	4.0	ng/L	1	02/01/25	B5A2911	8327	BM	
757124-72-4	4:2FTS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
914637-49-3	5:3FTCA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
27619-97-2	6:2FTS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
812-70-4	7:3FTCA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
39108-34-4	8:2FTS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
756426-58-1	<b>9Cl-PF3ONS</b>	<b>0.2</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
919005-14-4	ADONA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
13252-13-6	HFPO-DA	ND	4.0	ng/L	1	02/01/25	B5A2911	8327	BM	
2991-50-6	NEtFOSAA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
2355-31-9	NMeFOSAA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
375-22-4	<b>PFBA</b>	<b>1.5</b>	4.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
375-73-5	<b>PFBS</b>	<b>0.6</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
30334-69-1	<b>PFBSA</b>	<b>0.6</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
335-76-2	PFDA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
307-55-1	PFDODA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
335-77-3	PFDS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
646-83-3	<b>PFECHS</b>	<b>0.8</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
375-85-9	<b>PFHpA</b>	<b>1.3</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
375-92-8	PFHpS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
307-24-4	<b>PFHxA</b>	<b>1.5</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
355-46-4	<b>PFHxS</b>	<b>1.2</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
41997-13-1	PFHxSA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
375-95-1	PFNA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
68259-12-1	PFNS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
335-67-1	<b>PFOA</b>	<b>2.1</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
1763-23-1	<b>PFOS</b>	<b>2.3</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
754-91-6	PFOSA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
2706-90-3	<b>PFPeA</b>	<b>1.3</b>	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	J
2706-91-4	PFPeS	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
376-06-7	PFTeDA	ND	4.0	ng/L	1	02/01/25	B5A2911	8327	BM	
72629-94-8	PFTTrDA	ND	4.0	ng/L	1	02/01/25	B5A2911	8327	BM	
2058-94-8	PFUnDA	ND	2.0	ng/L	1	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>			119 %		31-202	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>			105 %		10-220	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>			103 %		16-189	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>			96.0 %		60-139	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA</i>			86.5 %		41-133	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>			75.1 %		10-133	02/01/25	B5A2911	8327	BM	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>			99.0 %		62-136	02/01/25	B5A2911	8327	BM	

**Client ID: Raw (IN001)**

**Lab ID: 2501114-01**

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
<b>Organics-PFAS Isotope Dilution</b>										
	<i>Isotope Dilution Analog: 13C3-PFBS</i>		104 %		58-132	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C3-PFHxS</i>		104 %		80-124	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C4-PFBA</i>		104 %		76-124	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C4-PFHpA</i>		106 %		81-125	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C5-PFHxA</i>		106 %		81-124	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C5-PFPeA</i>		100 %		78-123	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C6-PFDA</i>		104 %		77-126	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C7-PFU<sub>n</sub>DA</i>		101 %		75-127	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C8-PFOA</i>		104 %		81-125	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C8-PFOS</i>		101 %		79-122	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C8-PFOA</i>		108 %		80-122	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: 13C9-PFNA</i>		105 %		80-126	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>		110 %		64-144	02/01/25	B5A2911	8327		BM
	<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>		110 %		64-149	02/01/25	B5A2911	8327		BM

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
<b>Batch B5A2911 - Method: 3512</b>										
<b>Prepared: 01/29/2025</b>										
<b>Blank (B5A2911-BLK1)</b>										
11Cl-PF3OUdS	ND	ng/L							01/31/2025	
3:3FTCA	ND	ng/L							01/31/2025	
4:2FTS	ND	ng/L							01/31/2025	
5:3FTCA	ND	ng/L							01/31/2025	
6:2FTS	ND	ng/L							01/31/2025	
7:3FTCA	ND	ng/L							01/31/2025	
8:2FTS	ND	ng/L							01/31/2025	
9Cl-PF3ONS	0.240	ng/L							01/31/2025	J
ADONA	ND	ng/L							01/31/2025	
HFPO-DA	ND	ng/L							01/31/2025	
NEtFOSAA	ND	ng/L							01/31/2025	
NMeFOSAA	ND	ng/L							01/31/2025	
PFBA	ND	ng/L							01/31/2025	
PFBS	ND	ng/L							01/31/2025	
PFBSA	ND	ng/L							01/31/2025	
PFDA	ND	ng/L							01/31/2025	
PFDoDA	ND	ng/L							01/31/2025	
PFDS	ND	ng/L							01/31/2025	
PFECHS	ND	ng/L							01/31/2025	
PFHpA	ND	ng/L							01/31/2025	
PFHpS	ND	ng/L							01/31/2025	
PFHxA	ND	ng/L							01/31/2025	
PFHxS	ND	ng/L							01/31/2025	
PFHxSA	ND	ng/L							01/31/2025	
PFNA	ND	ng/L							01/31/2025	
PFNS	ND	ng/L							01/31/2025	
PFOA	ND	ng/L							01/31/2025	
PFOS	ND	ng/L							01/31/2025	
PFOSA	ND	ng/L							01/31/2025	
PFPeA	ND	ng/L							01/31/2025	
PFPeS	ND	ng/L							01/31/2025	
PFTeDA	ND	ng/L							01/31/2025	
PFTTrDA	ND	ng/L							01/31/2025	
PFUnDA	ND	ng/L							01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>	175	ng/L	150.1		116	31-202			01/31/2025	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>	164	ng/L	152.2		108	10-220			01/31/2025	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>	164	ng/L	153.6		107	16-189			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>	167	ng/L	160.0		104	60-139			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA</i>	162	ng/L	160.0		101	41-133			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>	156	ng/L	160.0		97.3	10-133			01/31/2025	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>	324	ng/L	320.0		101	62-136			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFBS</i>	154	ng/L	149.1		103	58-132			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFHxS</i>	163	ng/L	151.7		108	80-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFBA</i>	174	ng/L	160.0		109	76-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFHpA</i>	176	ng/L	160.0		110	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFHxA</i>	174	ng/L	160.0		109	81-124			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFPeA</i>	169	ng/L	160.0		106	78-123			01/31/2025	
<i>Isotope Dilution Analog: 13C6-PFDA</i>	172	ng/L	160.0		108	77-126			01/31/2025	
<i>Isotope Dilution Analog: 13C7-PFUnDA</i>	168	ng/L	160.0		105	75-127			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	169	ng/L	160.0		106	81-125			01/31/2025	

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
<b>Batch B5A2911 - Method: 3512</b>										
<b>Prepared: 01/29/2025</b>										
<b>Blank (B5A2911-BLK1)</b>										
<i>Isotope Dilution Analog: 13C8-PFOS</i>	169	ng/L	153.4		110	79-122			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOSA</i>	175	ng/L	160.0		109	80-122			01/31/2025	
<i>Isotope Dilution Analog: 13C9-PFNA</i>	175	ng/L	160.0		109	80-126			01/31/2025	
<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>	180	ng/L	160.0		112	64-144			01/31/2025	
<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>	180	ng/L	160.0		112	64-149			01/31/2025	
<b>LCS (B5A2911-BS1)</b>										
11Cl-PF3OUds	42.1	ng/L	37.80		111	79-128			01/31/2025	
3:3FTCA	43.1	ng/L	40.00		108	76-129			01/31/2025	
4:2FTS	43.8	ng/L	37.40		117	79-130			01/31/2025	
5:3FTCA	42.1	ng/L	40.00		105	76-126			01/31/2025	
6:2FTS	44.1	ng/L	38.00		116	78-129			01/31/2025	
7:3FTCA	45.3	ng/L	40.00		113	60-130			01/31/2025	
8:2FTS	46.3	ng/L	38.40		120	78-132			01/31/2025	
9Cl-PF3ONS	43.5	ng/L	37.40		116	81-127			01/31/2025	
ADONA	43.8	ng/L	37.80		116	82-128			01/31/2025	
HFPO-DA	44.3	ng/L	40.00		111	78-130			01/31/2025	
NEtFOSAA	41.9	ng/L	40.00		105	80-128			01/31/2025	
NMeFOSAA	44.7	ng/L	40.00		112	79-129			01/31/2025	
PFBA	44.8	ng/L	40.00		112	79-126			01/31/2025	
PFBS	41.5	ng/L	35.40		117	82-127			01/31/2025	
PFBSA	44.7	ng/L	40.00		112	77-130			01/31/2025	
PFDA	46.0	ng/L	40.00		115	81-131			01/31/2025	
PFDoDA	48.4	ng/L	40.00		121	83-129			01/31/2025	
PFDS	44.1	ng/L	38.60		114	80-130			01/31/2025	
PFECHS	39.1	ng/L	36.96		106	78-127			01/31/2025	
PFHpA	47.2	ng/L	40.00		118	82-127			01/31/2025	
PFHpS	40.3	ng/L	38.20		106	79-132			01/31/2025	
PFHxA	47.5	ng/L	40.00		119	82-128			01/31/2025	
PFHxS	42.4	ng/L	36.50		116	81-129			01/31/2025	
PFHxSA	47.3	ng/L	40.00		118	78-127			01/31/2025	
PFNA	46.4	ng/L	40.00		116	81-128			01/31/2025	
PFNS	44.0	ng/L	38.40		115	80-129			01/31/2025	
PFOA	45.6	ng/L	40.00		114	81-130			01/31/2025	
PFOS	43.1	ng/L	37.04		116	82-129			01/31/2025	
PFOSA	45.6	ng/L	40.00		114	80-128			01/31/2025	
PFPeA	47.1	ng/L	40.00		118	83-127			01/31/2025	
PFPeS	43.4	ng/L	37.60		115	80-129			01/31/2025	
PFTeDA	45.5	ng/L	40.00		114	80-133			01/31/2025	
PFTTrDA	44.4	ng/L	40.00		111	73-124			01/31/2025	
PFUnDA	48.9	ng/L	40.00		122	81-130			01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>	185	ng/L	150.1		123	31-202			01/31/2025	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>	184	ng/L	152.2		121	10-220			01/31/2025	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>	210	ng/L	153.6		137	16-189			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>	194	ng/L	160.0		121	60-139			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA</i>	170	ng/L	160.0		106	41-133			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>	140	ng/L	160.0		87.8	10-133			01/31/2025	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>	317	ng/L	320.0		99.2	62-136			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFBS</i>	157	ng/L	149.1		105	58-132			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFHxS</i>	170	ng/L	151.7		112	80-124			01/31/2025	

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
<b>Batch B5A2911 - Method: 3512</b>					<b>Prepared: 01/29/2025</b>					
<b>LCS (B5A2911-BS1)</b>										
<i>Isotope Dilution Analog: 13C4-PFBA</i>	175	ng/L	160.0		110	76-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFHpA</i>	176	ng/L	160.0		110	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFHxA</i>	174	ng/L	160.0		109	81-124			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFPeA</i>	168	ng/L	160.0		105	78-123			01/31/2025	
<i>Isotope Dilution Analog: 13C6-PFDA</i>	181	ng/L	160.0		113	77-126			01/31/2025	
<i>Isotope Dilution Analog: 13C7-PFUnDA</i>	190	ng/L	160.0		119	75-127			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	178	ng/L	160.0		111	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOS</i>	166	ng/L	153.4		108	79-122			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	176	ng/L	160.0		110	80-122			01/31/2025	
<i>Isotope Dilution Analog: 13C9-PFNA</i>	182	ng/L	160.0		114	80-126			01/31/2025	
<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>	190	ng/L	160.0		118	64-144			01/31/2025	
<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>	214	ng/L	160.0		134	64-149			01/31/2025	
<b>LCS Dup (B5A2911-BS1)</b>										
11Cl-PF3OUdS	41.1	ng/L	37.80		109	79-128	2.45	200	01/31/2025	
3:3FTCA	42.9	ng/L	40.00		107	76-129	0.512	200	01/31/2025	
4:2FTS	40.8	ng/L	37.40		109	79-130	7.19	200	01/31/2025	
5:3FTCA	39.0	ng/L	40.00		97.6	76-126	7.50	200	01/31/2025	
6:2FTS	45.5	ng/L	38.00		120	78-129	3.26	200	01/31/2025	
7:3FTCA	43.2	ng/L	40.00		108	60-130	4.66	200	01/31/2025	
8:2FTS	42.2	ng/L	38.40		110	78-132	9.13	200	01/31/2025	
9Cl-PF3ONS	41.7	ng/L	37.40		111	81-127	4.32	200	01/31/2025	
ADONA	43.0	ng/L	37.80		114	82-128	1.80	200	01/31/2025	
HFPO-DA	44.9	ng/L	40.00		112	78-130	1.39	200	01/31/2025	
NEtFOSAA	42.6	ng/L	40.00		106	80-128	1.56	200	01/31/2025	
NMeFOSAA	43.4	ng/L	40.00		108	79-129	2.91	200	01/31/2025	
PFBA	44.4	ng/L	40.00		111	79-126	1.08	200	01/31/2025	
PFBS	40.8	ng/L	35.40		115	82-127	1.51	200	01/31/2025	
PFBSA	43.2	ng/L	40.00		108	77-130	3.37	200	01/31/2025	
PFDA	44.5	ng/L	40.00		111	81-131	3.31	200	01/31/2025	
PFDODA	48.9	ng/L	40.00		122	83-129	0.987	200	01/31/2025	
PFDS	43.5	ng/L	38.60		113	80-130	1.37	200	01/31/2025	
PFECHS	36.8	ng/L	36.96		99.5	78-127	6.06	200	01/31/2025	
PFHpA	45.4	ng/L	40.00		114	82-127	3.84	200	01/31/2025	
PFHpS	42.5	ng/L	38.20		111	79-132	5.26	200	01/31/2025	
PFHxA	46.2	ng/L	40.00		116	82-128	2.65	200	01/31/2025	
PFHxS	41.7	ng/L	36.50		114	81-129	1.47	200	01/31/2025	
PFHxSA	45.9	ng/L	40.00		115	78-127	3.00	200	01/31/2025	
PFNA	42.9	ng/L	40.00		107	81-128	7.89	200	01/31/2025	
PFNS	43.6	ng/L	38.40		113	80-129	1.01	200	01/31/2025	
PFOA	45.4	ng/L	40.00		113	81-130	0.571	200	01/31/2025	
PFOS	40.9	ng/L	37.04		110	82-129	5.28	200	01/31/2025	
PFOSA	43.9	ng/L	40.00		110	80-128	3.80	200	01/31/2025	
PFPeA	45.7	ng/L	40.00		114	83-127	3.02	200	01/31/2025	
PFPeS	42.2	ng/L	37.60		112	80-129	2.62	200	01/31/2025	
PFTeDA	45.2	ng/L	40.00		113	80-133	0.573	200	01/31/2025	
PFTrDA	45.2	ng/L	40.00		113	73-124	1.96	200	01/31/2025	
PFUnDA	44.7	ng/L	40.00		112	81-130	9.06	200	01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>	176	ng/L	150.1		117	31-202			01/31/2025	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>	155	ng/L	152.2		102	10-220			01/31/2025	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>	172	ng/L	153.6		112	16-189			01/31/2025	

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
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Batch B5A2911 - Method: 3512

Prepared: 01/29/2025

LCS Dup (B5A2911-BSD1)

Isotope Dilution Analog: 13C2-PFDoDA	170	ng/L	160.0		106	60-139			01/31/2025	
Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA	166	ng/L	160.0		104	41-133			01/31/2025	
Isotope Dilution Analog: 13C2-PFTeDA	160	ng/L	160.0		100	10-133			01/31/2025	
Isotope Dilution Analog: 13C3-HFPODA	337	ng/L	320.0		105	62-136			01/31/2025	
Isotope Dilution Analog: 13C3-PFBS	159	ng/L	149.1		107	58-132			01/31/2025	
Isotope Dilution Analog: 13C3-PFHxS	166	ng/L	151.7		109	80-124			01/31/2025	
Isotope Dilution Analog: 13C4-PFBA	174	ng/L	160.0		109	76-124			01/31/2025	
Isotope Dilution Analog: 13C4-PFHpA	172	ng/L	160.0		108	81-125			01/31/2025	
Isotope Dilution Analog: 13C5-PFHxA	171	ng/L	160.0		107	81-124			01/31/2025	
Isotope Dilution Analog: 13C5-PFPeA	169	ng/L	160.0		106	78-123			01/31/2025	
Isotope Dilution Analog: 13C6-PFDA	175	ng/L	160.0		110	77-126			01/31/2025	
Isotope Dilution Analog: 13C7-PFUnDA	177	ng/L	160.0		111	75-127			01/31/2025	
Isotope Dilution Analog: 13C8-PFOA	173	ng/L	160.0		108	81-125			01/31/2025	
Isotope Dilution Analog: 13C8-PFOS	167	ng/L	153.4		109	79-122			01/31/2025	
Isotope Dilution Analog: 13C8-PFOA	174	ng/L	160.0		109	80-122			01/31/2025	
Isotope Dilution Analog: 13C9-PFNA	180	ng/L	160.0		113	80-126			01/31/2025	
Isotope Dilution Analog: d3-N-MeFOSAA	179	ng/L	160.0		112	64-144			01/31/2025	
Isotope Dilution Analog: d5-N-EtFOSAA	188	ng/L	160.0		118	64-149			01/31/2025	

MRL Check (B5A2911-MRL1)

11Cl-PF3OUdS	3.38	ng/L	3.780		89.4	76-128			01/31/2025	
3:3FTCA	3.94	ng/L	4.000		98.5	58-153			01/31/2025	J
4:2FTS	3.64	ng/L	3.740		97.3	69-139			01/31/2025	
5:3FTCA	3.68	ng/L	4.000		92.0	65-139			01/31/2025	
6:2FTS	3.38	ng/L	3.800		88.9	58-134			01/31/2025	
7:3FTCA	3.70	ng/L	4.000		92.5	48-140			01/31/2025	
8:2FTS	3.90	ng/L	3.840		102	66-141			01/31/2025	
9Cl-PF3ONS	3.38	ng/L	3.740		90.4	72-139			01/31/2025	
ADONA	3.46	ng/L	3.780		91.5	75-128			01/31/2025	
HFPO-DA	3.82	ng/L	4.000		95.5	55-150			01/31/2025	J
NEtFOSAA	4.82	ng/L	4.000		120	60-142			01/31/2025	
NMeFOSAA	3.58	ng/L	4.000		89.5	67-135			01/31/2025	
PFBA	3.48	ng/L	4.000		87.0	55-131			01/31/2025	J
PFBS	3.22	ng/L	3.540		91.0	64-126			01/31/2025	
PFBSA	3.64	ng/L	4.000		91.0	75-131			01/31/2025	
PFDA	4.00	ng/L	4.000		100	67-139			01/31/2025	
PFDoDA	3.68	ng/L	4.000		92.0	75-128			01/31/2025	
PFDS	3.12	ng/L	3.860		80.8	71-136			01/31/2025	
PFECHS	3.48	ng/L	3.696		94.2	69-134			01/31/2025	
PFHpA	3.30	ng/L	4.000		82.5	66-131			01/31/2025	
PFHpS	3.68	ng/L	3.820		96.3	63-140			01/31/2025	
PFHxA	3.40	ng/L	4.000		85.0	65-132			01/31/2025	
PFHxS	3.50	ng/L	3.650		95.9	68-139			01/31/2025	
PFHxSA	3.80	ng/L	4.000		95.0	76-128			01/31/2025	
PFNA	3.72	ng/L	4.000		93.0	58-143			01/31/2025	
PFNS	3.32	ng/L	3.840		86.5	71-137			01/31/2025	
PFOA	3.82	ng/L	4.000		95.5	58-144			01/31/2025	
PFOS	3.46	ng/L	3.704		93.4	75-135			01/31/2025	
PFOSA	3.58	ng/L	4.000		89.5	76-132			01/31/2025	
PFPeA	3.36	ng/L	4.000		84.0	67-128			01/31/2025	
PFPeS	3.36	ng/L	3.760		89.4	73-134			01/31/2025	

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
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Batch B5A2911 - Method: 3512

Prepared: 01/29/2025

MRL Check (B5A2911-MRL1)

PFTeDA	3.70	ng/L	4.000		92.5	71-132			01/31/2025	J
PFTrDA	3.24	ng/L	4.000		81.0	70-121			01/31/2025	J
PFUnDA	3.48	ng/L	4.000		87.0	76-126			01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>	181	ng/L	150.1		121	31-202			01/31/2025	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>	165	ng/L	152.2		108	10-220			01/31/2025	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>	182	ng/L	153.6		118	16-189			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>	178	ng/L	160.0		111	60-139			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>	161	ng/L	160.0		100	41-133			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>	139	ng/L	160.0		87.2	10-133			01/31/2025	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>	313	ng/L	320.0		97.8	62-136			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFBS</i>	154	ng/L	149.1		103	58-132			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFHxS</i>	170	ng/L	151.7		112	80-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFBA</i>	174	ng/L	160.0		109	76-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFHpA</i>	172	ng/L	160.0		108	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFHxS</i>	174	ng/L	160.0		109	81-124			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFPeA</i>	169	ng/L	160.0		105	78-123			01/31/2025	
<i>Isotope Dilution Analog: 13C6-PFDA</i>	176	ng/L	160.0		110	77-126			01/31/2025	
<i>Isotope Dilution Analog: 13C7-PFUnDA</i>	185	ng/L	160.0		116	75-127			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	175	ng/L	160.0		109	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOS</i>	168	ng/L	153.4		110	79-122			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	175	ng/L	160.0		109	80-122			01/31/2025	
<i>Isotope Dilution Analog: 13C9-PFNA</i>	171	ng/L	160.0		107	80-126			01/31/2025	
<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>	182	ng/L	160.0		114	64-144			01/31/2025	
<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>	208	ng/L	160.0		130	64-149			01/31/2025	

Matrix Spike (B5A2911-MS1)

Source: 2501113-01

11Cl-PF3OUdS	40.1	ng/L	37.80	ND	106	74-127			01/31/2025	
3:3FTCA	42.8	ng/L	40.00	ND	107	76-135			01/31/2025	
4:2FTS	43.0	ng/L	37.40	ND	115	78-134			01/31/2025	
5:3FTCA	41.9	ng/L	40.00	ND	105	76-131			01/31/2025	
6:2FTS	43.1	ng/L	38.00	ND	113	76-134			01/31/2025	
7:3FTCA	43.5	ng/L	40.00	ND	109	57-143			01/31/2025	
8:2FTS	43.7	ng/L	38.40	ND	114	80-134			01/31/2025	IDA01
9Cl-PF3ONS	42.2	ng/L	37.40	ND	113	80-130			01/31/2025	
ADONA	43.4	ng/L	37.80	ND	115	81-135			01/31/2025	
HFPO-DA	46.0	ng/L	40.00	ND	115	76-135			01/31/2025	
NEtFOSAA	44.9	ng/L	40.00	ND	112	80-131			01/31/2025	
NMeFOSAA	44.6	ng/L	40.00	ND	111	80-131			01/31/2025	IDA01
PFBA	44.3	ng/L	40.00	3.32	102	80-132			01/31/2025	
PFBS	47.3	ng/L	35.40	5.22	119	82-132			01/31/2025	
PFBSA	54.5	ng/L	40.00	9.08	113	74-140			01/31/2025	
PFDA	47.4	ng/L	40.00	ND	119	81-134			01/31/2025	
PFDoDA	47.5	ng/L	40.00	ND	119	83-132			01/31/2025	
PFDS	41.3	ng/L	38.60	ND	107	75-129			01/31/2025	
PFECHS	37.7	ng/L	36.96	ND	102	32-180			01/31/2025	
PFHpA	47.6	ng/L	40.00	1.32	116	76-136			01/31/2025	
PFHpS	42.6	ng/L	38.20	ND	111	78-135			01/31/2025	
PFHxA	49.2	ng/L	40.00	2.34	117	76-139			01/31/2025	
PFHxS	45.8	ng/L	36.50	4.34	114	66-150			01/31/2025	
PFHxSA	46.3	ng/L	40.00	ND	116	74-135			01/31/2025	

**Organics-PFAS Isotope Dilution - Quality Control**

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
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**Batch B5A2911 - Method: 3512**

**Prepared: 01/29/2025**

**Matrix Spike (B5A2911-MS1)**

**Source: 250113-01**

PFNA	45.2	ng/L	40.00	ND	113	81-132			01/31/2025	
PFNS	45.3	ng/L	38.40	ND	118	76-134			01/31/2025	
PFOA	50.6	ng/L	40.00	4.30	116	80-135			01/31/2025	
PFOS	43.5	ng/L	37.04	2.20	112	71-141			01/31/2025	
PFOSA	45.9	ng/L	40.00	ND	115	75-135			01/31/2025	
PFPeA	50.1	ng/L	40.00	2.62	119	71-143			01/31/2025	
PFPeS	42.7	ng/L	37.60	0.480	112	79-133			01/31/2025	
PFTeDA	47.3	ng/L	40.00	ND	118	78-141			01/31/2025	
PFTrDA	47.1	ng/L	40.00	ND	118	72-128			01/31/2025	
PFUnDA	44.4	ng/L	40.00	ND	111	81-131			01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>										
	233	ng/L	150.1		155	31-202			01/31/2025	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>										
	269	ng/L	152.2		177	10-220			01/31/2025	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>										
	370	ng/L	153.6		241	16-189			01/31/2025	IDA01
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>										
	202	ng/L	160.0		126	60-139			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA</i>										
	166	ng/L	160.0		104	41-133			01/31/2025	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>										
	123	ng/L	160.0		76.9	10-133			01/31/2025	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>										
	264	ng/L	320.0		82.4	62-136			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFBS</i>										
	156	ng/L	149.1		105	58-132			01/31/2025	
<i>Isotope Dilution Analog: 13C3-PFHxS</i>										
	170	ng/L	151.7		112	80-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFBA</i>										
	172	ng/L	160.0		108	76-124			01/31/2025	
<i>Isotope Dilution Analog: 13C4-PFHpA</i>										
	181	ng/L	160.0		113	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFHxA</i>										
	173	ng/L	160.0		108	81-124			01/31/2025	
<i>Isotope Dilution Analog: 13C5-PFPeA</i>										
	166	ng/L	160.0		104	78-123			01/31/2025	
<i>Isotope Dilution Analog: 13C6-PFDA</i>										
	198	ng/L	160.0		124	77-126			01/31/2025	
<i>Isotope Dilution Analog: 13C7-PFUnDA</i>										
	198	ng/L	160.0		124	75-127			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>										
	187	ng/L	160.0		117	81-125			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOS</i>										
	167	ng/L	153.4		109	79-122			01/31/2025	
<i>Isotope Dilution Analog: 13C8-PFOA</i>										
	176	ng/L	160.0		110	80-122			01/31/2025	
<i>Isotope Dilution Analog: 13C9-PFNA</i>										
	198	ng/L	160.0		124	80-126			01/31/2025	
<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>										
	231	ng/L	160.0		144	64-144			01/31/2025	IDA01
<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>										
	224	ng/L	160.0		140	64-149			01/31/2025	

**Matrix Spike Dup (B5A2911-MSD1)**

**Source: 250113-01**

11Cl-PF3OUds	39.4	ng/L	37.80	ND	104	74-127	1.91	16.6	01/31/2025	
3:3FTCA	43.9	ng/L	40.00	ND	110	76-135	2.40	19.2	01/31/2025	
4:2FTS	42.0	ng/L	37.40	ND	112	78-134	2.31	19.3	01/31/2025	
5:3FTCA	38.8	ng/L	40.00	ND	97.0	76-131	7.63	16.1	01/31/2025	
6:2FTS	44.1	ng/L	38.00	ND	116	76-134	2.29	16.8	01/31/2025	
7:3FTCA	44.3	ng/L	40.00	ND	111	57-143	1.82	22.5	01/31/2025	
8:2FTS	42.2	ng/L	38.40	ND	110	80-134	3.54	17.5	01/31/2025	
9Cl-PF3ONS	40.3	ng/L	37.40	ND	108	80-130	4.51	13.1	01/31/2025	
ADONA	42.1	ng/L	37.80	ND	111	81-135	2.90	13	01/31/2025	
HFPO-DA	45.4	ng/L	40.00	ND	113	76-135	1.27	23.2	01/31/2025	
NEtFOSAA	42.4	ng/L	40.00	ND	106	80-131	5.68	14.3	01/31/2025	
NMeFOSAA	45.6	ng/L	40.00	ND	114	80-131	2.31	14.2	01/31/2025	
PFBA	49.5	ng/L	40.00	3.32	116	80-132	11.1	11.6	01/31/2025	
PFBS	46.7	ng/L	35.40	5.22	117	82-132	1.15	13.6	01/31/2025	
PFBSA	53.7	ng/L	40.00	9.08	112	74-140	1.33	15.6	01/31/2025	
PFDA	45.3	ng/L	40.00	ND	113	81-134	4.62	15.9	01/31/2025	
PFDoDA	47.1	ng/L	40.00	ND	118	83-132	0.719	12.6	01/31/2025	

Organics-PFAS Isotope Dilution - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
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Batch B5A2911 - Method: 3512

Prepared: 01/29/2025

Matrix Spike Dup (B5A2911-MSD1)	Source: 2501113-01									
PFDS	40.3	ng/L	38.60	ND	104	75-129	2.55	18.7	01/31/2025	
PFECHS	38.3	ng/L	36.96	ND	104	32-180	1.37	15.4	01/31/2025	
PFHpA	46.1	ng/L	40.00	1.32	112	76-136	3.16	13.3	01/31/2025	
PFHpS	42.8	ng/L	38.20	ND	112	78-135	0.656	14.7	01/31/2025	
PFHxA	48.6	ng/L	40.00	2.34	116	76-139	1.23	12.6	01/31/2025	
PFHxS	46.0	ng/L	36.50	4.34	114	66-150	0.392	14.7	01/31/2025	
PFHxSA	46.1	ng/L	40.00	ND	115	74-135	0.433	14.8	01/31/2025	
PFNA	45.7	ng/L	40.00	ND	114	81-132	1.10	13.7	01/31/2025	
PFNS	42.8	ng/L	38.40	ND	111	76-134	5.59	14.5	01/31/2025	
PFOA	49.6	ng/L	40.00	4.30	113	80-135	2.04	12.4	01/31/2025	
PFOS	44.0	ng/L	37.04	2.20	113	71-141	0.960	13.2	01/31/2025	
PFOSA	44.5	ng/L	40.00	ND	111	75-135	3.05	13.8	01/31/2025	
PFPeA	48.0	ng/L	40.00	2.62	113	71-143	4.32	11.5	01/31/2025	
PFPeS	43.3	ng/L	37.60	0.480	114	79-133	1.49	14.8	01/31/2025	
PFTeDA	46.2	ng/L	40.00	ND	115	78-141	2.40	16.2	01/31/2025	
PFTrDA	45.0	ng/L	40.00	ND	113	72-128	4.43	19.1	01/31/2025	
PFUnDA	46.5	ng/L	40.00	ND	116	81-131	4.58	13.2	01/31/2025	
<i>Isotope Dilution Analog: 13C2-4:2FTS</i>	<i>175</i>	<i>ng/L</i>	<i>150.1</i>		<i>117</i>	<i>31-202</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C2-6:2FTS</i>	<i>162</i>	<i>ng/L</i>	<i>152.2</i>		<i>106</i>	<i>10-220</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C2-8:2FTS</i>	<i>165</i>	<i>ng/L</i>	<i>153.6</i>		<i>107</i>	<i>16-189</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C2-PFDoDA</i>	<i>148</i>	<i>ng/L</i>	<i>160.0</i>		<i>92.6</i>	<i>60-139</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C2-PFDoDA+13C2-PFTeDA</i>	<i>124</i>	<i>ng/L</i>	<i>160.0</i>		<i>77.3</i>	<i>41-133</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C2-PFTeDA</i>	<i>94.0</i>	<i>ng/L</i>	<i>160.0</i>		<i>58.7</i>	<i>10-133</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C3-HFPODA</i>	<i>327</i>	<i>ng/L</i>	<i>320.0</i>		<i>102</i>	<i>62-136</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C3-PFBS</i>	<i>155</i>	<i>ng/L</i>	<i>149.1</i>		<i>104</i>	<i>58-132</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C3-PFHxS</i>	<i>160</i>	<i>ng/L</i>	<i>151.7</i>		<i>106</i>	<i>80-124</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C4-PFBA</i>	<i>166</i>	<i>ng/L</i>	<i>160.0</i>		<i>104</i>	<i>76-124</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C4-PFHpA</i>	<i>173</i>	<i>ng/L</i>	<i>160.0</i>		<i>108</i>	<i>81-125</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C5-PFHxA</i>	<i>169</i>	<i>ng/L</i>	<i>160.0</i>		<i>106</i>	<i>81-124</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C5-PFPeA</i>	<i>165</i>	<i>ng/L</i>	<i>160.0</i>		<i>103</i>	<i>78-123</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C6-PFDA</i>	<i>165</i>	<i>ng/L</i>	<i>160.0</i>		<i>103</i>	<i>77-126</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C7-PFUnDA</i>	<i>167</i>	<i>ng/L</i>	<i>160.0</i>		<i>105</i>	<i>75-127</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	<i>172</i>	<i>ng/L</i>	<i>160.0</i>		<i>107</i>	<i>81-125</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C8-PFOS</i>	<i>163</i>	<i>ng/L</i>	<i>153.4</i>		<i>106</i>	<i>79-122</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C8-PFOA</i>	<i>171</i>	<i>ng/L</i>	<i>160.0</i>		<i>107</i>	<i>80-122</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: 13C9-PFNA</i>	<i>166</i>	<i>ng/L</i>	<i>160.0</i>		<i>104</i>	<i>80-126</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: d3-N-MeFOSAA</i>	<i>169</i>	<i>ng/L</i>	<i>160.0</i>		<i>106</i>	<i>64-144</i>			<i>01/31/2025</i>	
<i>Isotope Dilution Analog: d5-N-EtFOSAA</i>	<i>186</i>	<i>ng/L</i>	<i>160.0</i>		<i>116</i>	<i>64-149</i>			<i>01/31/2025</i>	