CASCADE **PFAS LABORATORY**

Reporting and Method Detection Limits // 24 Compounds

MobiLab™

DEFENSIBLE REAL-TIME ANALYTICS

			Available LC/MS/MS Methods					
			[1]PFAS Water SPE		[2]PFAS Water DAI		[1]PFAS Soil	
CAS Number	Analyte	Acronym	MDL (ng/L)	LOQ/RL (ng/L)	MDL (ng/L)	LOQ/RL (ng/L)	MDL (ug/Kg)	LOQ/RL (ug/Kg)
2991-50-6	[3] N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	3.18	8.00	3.04	10.00	0.05	0.17
39108-34-4	Fluorotelomer sulfonate 8:2	FtS 8:2 or 8-2FTS	3.93	3.84	2.59	10.00	0.07	0.16
757124-72-4	Fluorotelomer sulfonate 4:2	FtS 4:2 or 4-2FTS	1.09	1.87	1.65	5.00	0.01	0.16
27619-97-2	Fluorotelomer sulfonate 6:2	FtS 6:2 or 6-2FTS	1.42	1.90	1.03	3.00	0.02	0.16
2355-31-9	[3] N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	3.72	8.00	3.38	10.00	0.06	0.17
375-73-5	Perfluorobutanesulfonic acid	PFBS	1.86	3.54	4.82	10.00	0.04	0.15
375-22-4	[3] Perfluorobutyric acid	PFBA	4.12	20.00	6.70	20.00	0.85	1.67
335-77-3	Perfluorodecanesulfonate	PFDS	3.77	3.86	2.27	5.00	0.03	0.16
335-76-2	Perfluorodecanoic acid	PFDA	1.70	2.00	2.19	5.00	0.06	0.17
307-55-1	Perfluorododecanoic acid	PFDoA	3.32	4.00	0.92	3.00	0.03	0.17
375-92-8	Perfluoroheptanesulfonate	PFHpS	2.95	3.80	0.82	3.00	0.16	0.32
375-85-9	Perfluoroheptanoic acid	PFHpA	3.37	20.00	1.49	5.00	0.02	0.17
355-46-4	Perfluorohexanesulfonic acid (Total)	PFHxS	3.28	4.34	2.00	8.00	0.11	0.18
307-24-4	Perfluorohexanoic acid	PFHxA	2.12	8.00	1.27	5.00	0.05	0.17
68259-12-1	Perfluorononanesulfonate	PFNS	2.88	3.84	1.46	5.00	0.03	0.16
375-95-1	Perfluorononanoic acid	PFNA	1.89	8.00	1.96	5.00	0.04	0.17
754-91-6	Perfluorooctanesulfonamide	PFOSA	2.76	4.00	1.86	5.00	0.09	0.17
1763-23-1	Perfluorooctanesulfonic acid (Total)	PFOS	3.63	3.91	5.46	20.00	0.08	0.15
335-67-1	Perfluorooctanoic acid	PFOA	0.94	8.00	3.59	10.00	0.05	0.17
2706-90-3	Perfluoropentanoic acid	PFPeA	4.35	40.00	2.45	5.00	0.04	0.17
2706-91-4	Perfluoropentansulfonate	PFPeS	2.09	3.76	1.93	5.00	0.13	0.16
376-06-7	Perfluorotetradecanoic acid	PFTA or PFTeDA	1.25	2.00	3.60	5.00	0.06	0.17
72629-94-8	Perfluorotridecanoic acid	PFTrDA	1.24	2.00	1.70	5.00	0.05	0.17
2058-94-8	Perfluoroundecanoic acid	PFUnA or PFUdA	1.89	2.00	1.63	5.00	0.03	0.17

CASCADE
DRILLING | TECHNICAL SERVICES

1 = DoD ELAP QSM 5.1 Certified Method. Includes SPE and LC/MS/MS techniques
2 = Optional direct aqueous injection, LC/MS/MS method for non-AFFF sites
3 = Compound not certified via DoD ELAP