

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	LOD-MDL-WATER-01-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048981.D	1	01/28/25	01/29/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.3	J	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	9.56	J	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	15.8	J	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	20.8	J	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	33.4	J	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1168-07	Acq On:	29 Jan 2025 02:06
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD048981.D	Misc:	4 PPM WATER LOD
Instrument:	FID_D	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	1003870	6.164	300	ug/ml
Aliphatic C12-C16	6.244	9.613	807197	4.78	200	ug/ml
Aliphatic C16-C21	9.614	12.956	1364709	7.893	300	ug/ml
Aliphatic C21-C28	12.957	16.595	1750059	10.382	400	ug/ml
Aliphatic C28-C40	16.596	21.296	2198144	16.718	600	ug/ml
Aliphatic EPH	3.006	21.296	7123979	45.937		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.685	12.685	4309001	29.36		ug/ml
Aliphatic C9-C28	3.006	16.595	4925835	29.219	1200	ug/ml