

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
FG015211.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	10.1	J	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	7.42	J	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	11.3	J	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	16.6	J	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	29.6	J	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	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 09:48
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP\AJ
Data file:	FG015211.D	Misc:	2.5 PPM WATER LOD
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.182	6.819	668503	5.031	300	ug/ml
Aliphatic C12-C16	6.820	10.271	523605	3.708	200	ug/ml
Aliphatic C16-C21	10.272	13.651	816942	5.653	300	ug/ml
Aliphatic C21-C28	13.652	17.325	1136177	8.311	400	ug/ml
Aliphatic C28-C40	17.326	22.263	1560752	14.781	600	ug/ml
Aliphatic EPH	3.182	22.263	4705979	37.484		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4178138	34.31		ug/ml
Aliphatic C9-C28	3.182	17.325	3145227	22.703	1200	ug/ml