

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-SOIL-01-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048999.D	1	01/28/25	01/29/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.53	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.33	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		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:	Q1168-01	Acq On:	29 Jan 2025 16:40
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP/AJ
Data file:	FD048999.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.244	1015200	6.233	300	ug/ml
Aliphatic C12-C16	6.245	9.613	806253	4.774	200	ug/ml
Aliphatic C16-C21	9.614	12.956	1367134	7.907	300	ug/ml
Aliphatic C21-C28	12.957	16.598	1786622	10.599	400	ug/ml
Aliphatic C28-C40	16.599	21.297	2468336	18.773	600	ug/ml
Aliphatic EPH	3.006	21.297	7443545	48.287		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.685	12.685	4348235	29.62		ug/ml
Aliphatic C9-C28	3.006	16.598	4975209	29.513	1200	ug/ml