

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
FF015345.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	1.00	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.38	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)	35.9		40 - 140	72%	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 02:47
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FF015345.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.832	702412	5.27	300	ug/ml
Aliphatic C12-C16	6.833	10.265	513921	3.713	200	ug/ml
Aliphatic C16-C21	10.266	13.633	834056	5.774	300	ug/ml
Aliphatic C21-C28	13.634	17.299	1026995	7.211	400	ug/ml
Aliphatic C28-C40	17.300	22.207	936038	8.941	600	ug/ml
Aliphatic EPH	3.214	22.207	4013422	30.909		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	4375852	35.94		ug/ml
Aliphatic C9-C28	3.214	17.299	3077384	21.968	1200	ug/ml