

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/09/24
Project:	LOD-LOQ Study	Date Received:	10/09/24
Client Sample ID:	LOD-MDL-SOIL-01-QT4-2024	SDG No.:	P4368
Lab Sample ID:	P4368-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048477.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.50	J	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.84	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.26	J	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.55		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4368-01	Acq On:	12 Oct 2024 10:26
Client Sample ID:	LOD-MDL-SOIL-01-QT4-	Operator:	YP/AJ
Data file:	FD048477.D	Misc:	
Instrument:	FID_D	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.024	6.263	1282619	7.449	300	ug/ml
Aliphatic C12-C16	6.264	9.634	1785508	10.068	200	ug/ml
Aliphatic C16-C21	9.635	12.975	2217456	12.622	300	ug/ml
Aliphatic C21-C28	12.976	16.615	3171487	18.925	400	ug/ml
Aliphatic C28-C40	16.616	21.317	11307310	83.225	600	ug/ml
Aliphatic EPH	3.024	21.317	19764380	132.288		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.708	12.708	6133697	41		ug/ml
Aliphatic C9-C28	3.024	16.615	8457070	49.064	1200	ug/ml