

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-SOIL-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-01	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
FF014207.D	1	05/09/24	05/11/24	PB160813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.58	J	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.76	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.05	J	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.9		40 - 140	96%	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:	P2403-01	Acq On:	11 May 2024 12:58
Client Sample ID:	LOD-MDL-SOIL-01-QT2-	Operator:	YP\AJ
Data file:	FF014207.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.752	1155486	8.762	300	ug/ml
Aliphatic C12-C16	6.753	10.185	873845	6.72	200	ug/ml
Aliphatic C16-C21	10.186	13.550	1459625	11.355	300	ug/ml
Aliphatic C21-C28	13.551	17.213	1867870	15.808	400	ug/ml
Aliphatic C28-C40	17.214	22.066	2134264	20.827	600	ug/ml
Aliphatic EPH	3.140	22.066	7491090	63.472		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.284	13.284	4854179	47.86		ug/ml
Aliphatic C9-C28	3.140	17.213	5356826	42.645	1200	ug/ml