



284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	04/05/23
Project:	LOD-LOQ Study	Date Received:	04/05/23
Client Sample ID:	LOD-MDL-SOIL-01-QT2-2023	SDG No.:	O2213
Lab Sample ID:	O2213-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG012157.D	1	04/06/23	06/12/23	PB151925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.52	J	0.24	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	0.14	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.64	J	0.21	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.86	J	0.46	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.40	J	1.02	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.1		40 - 140	84%	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:	O2213-01	Acq On:	12 Jun 2023 14:13
Client Sample ID:	LOD-MDL-SOIL-01-QT2-	Operator:	YP\AJ
Data file:	FG012157.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_G	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	2.648	5.852	913567	7.763	300	ug/ml
Aliphatic C12-C16	5.853	9.252	701690	5.585	200	ug/ml
Aliphatic C16-C21	9.253	12.621	1303069	9.641	300	ug/ml
Aliphatic C21-C28	12.622	16.289	1728512	12.91	400	ug/ml
Aliphatic C28-C40	16.290	21.201	2523912	21.053	600	ug/ml
Aliphatic EPH	2.648	21.201	7170750	56.952		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.353	12.353	4988052	42.06		ug/ml
Aliphatic C9-C28	2.648	16.289	4646838	35.899	1200	ug/ml