

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/23/25	
Project:	LOD-LOQ-MDL Study		Date Received:	05/23/25	
Client Sample ID:	LOD-MDL-SOIL-03-QT2-2025		SDG No.:	Q2126	
Lab Sample ID:	Q2126-01		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
FF016008.D	1	06/11/25	06/16/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.33	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.28	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.42	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.59	J	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2126-01	Acq On:	16 Jun 2025 19:25
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP\AJ
Data file:	FF016008.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.267	6.898	587939	4.927	300	ug/ml
Aliphatic C12-C16	6.899	10.337	513173	4.136	200	ug/ml
Aliphatic C16-C21	10.338	13.706	810067	6.293	300	ug/ml
Aliphatic C21-C28	13.707	17.372	1125028	8.8	400	ug/ml
Aliphatic C28-C40	17.373	22.341	1612705	16.305	600	ug/ml
Aliphatic EPH	3.267	22.341	4648912	40.46		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.440	13.440	4410140	39.33		ug/ml
Aliphatic C9-C28	3.267	17.372	3036207	24.156	1200	ug/ml