

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
FF016009.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	0.67	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.54	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.86	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.19	J	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.18		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	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 19:54
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP\AJ
Data file:	FF016009.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.267	6.898	1199968	10.055	300	ug/ml
Aliphatic C12-C16	6.899	10.337	1012298	8.158	200	ug/ml
Aliphatic C16-C21	10.338	13.706	1661071	12.903	300	ug/ml
Aliphatic C21-C28	13.707	17.372	2278652	17.823	400	ug/ml
Aliphatic C28-C40	17.373	22.341	3232656	32.683	600	ug/ml
Aliphatic EPH	3.267	22.341	9384645	81.624		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.441	13.441	5590818	49.86		ug/ml
Aliphatic C9-C28	3.267	17.372	6151989	48.939	1200	ug/ml