

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
FF015995.D	1	06/11/25	06/16/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.36	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.56	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.98	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.58	J	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.8		40 - 140	124%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	61.7		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.0		40 - 140	108%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2126-01	Acq On:	16 Jun 2025 11:57
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP\AJ
Data file:	FF015995.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.561	6.433	686382	5.39	200	ug/ml
Aromatic C12-C16	6.434	9.135	1098870	8.345	300	ug/ml
Aromatic C16-C21	9.136	13.449	1910738	14.739	500	ug/ml
Aromatic C21-C36	13.450	18.894	2879996	23.678	800	ug/ml
Aromatic EPH	4.561	18.894	6575986	52.152		ug/ml
ortho-Terphenyl (SURR)	12.004	12.004	7145330	54.01		ug/ml
2-Bromonaphthalene (SURR)	8.062	8.062	7017192	61.8		ug/ml
2-Fluorobiphenyl (SURR)	8.938	8.938	4802344	61.69		ug/ml