

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
FF015998.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	0.54	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.86	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.58	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.68		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.2		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2126-01	Acq On:	16 Jun 2025 14:03
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP\AJ
Data file:	FF015998.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.561	6.433	1025483	8.053	200	ug/ml
Aromatic C12-C16	6.434	9.135	1701224	12.919	300	ug/ml
Aromatic C16-C21	9.136	13.449	3066783	23.657	500	ug/ml
Aromatic C21-C36	13.450	18.894	4901681	40.3	800	ug/ml
Aromatic EPH	4.561	18.894	10695171	84.929		ug/ml
2-Bromonaphthalene (SURR)	8.059	8.059	5355712	47.17		ug/ml
2-Fluorobiphenyl (SURR)	8.933	8.933	3693915	47.45		ug/ml
ortho-Terphenyl (SURR)	12.002	12.002	5718864	43.23		ug/ml