

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
FD049435.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.26	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.70	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.39	J	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.6		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2126-01	Acq On:	11 Jun 2025 18:39
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP/AJ
Data file:	FD049435.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	659187	3.939	200	ug/ml
Aromatic C12-C16	6.169	8.797	1109983	5.919	300	ug/ml
Aromatic C16-C21	8.798	13.088	1929978	10.447	500	ug/ml
Aromatic C21-C36	13.089	18.509	3026544	20.864	800	ug/ml
Aromatic EPH	4.424	18.509	6725692	41.17		ug/ml
2-Bromonaphthalene (SURRE)	7.736	7.736	6911560	41.58		ug/ml
2-Fluorobiphenyl (SURRE)	8.602	8.602	4677002	40.88		ug/ml
ortho-Terphenyl (SURRE)	11.648	11.648	7136220	35.55		ug/ml