

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	08/18/25	
Project:	LOD-LOQ-MDL Study		Date Received:	08/18/25	
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2025		SDG No.:	Q2893	
Lab Sample ID:	Q2893-01		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
FD049696.D	1	08/27/25	08/28/25	PB169427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.48	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.86	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.43	J	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.4		40 - 140	99%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.6		40 - 140	91%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2893-01	Acq On:	28 Aug 2025 15:12
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP/AJ
Data file:	FD049696.D	Misc:	2.5PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	512698	4.75	200	ug/ml
Aromatic C12-C16	6.150	8.777	883463	7.149	300	ug/ml
Aromatic C16-C21	8.778	13.067	1623713	12.837	500	ug/ml
Aromatic C21-C36	13.068	18.488	2427109	21.552	800	ug/ml
Aromatic EPH	4.405	18.488	5446983	46.287		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	5923638	45.64		ug/ml
2-Bromonaphthalene (SURR)	7.714	7.714	5065099	49.42		ug/ml
2-Fluorobiphenyl (SURR)	8.579	8.579	3589195	49.14		ug/ml