

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
FD049697.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	0.52	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.81	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.46	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.29	J	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.7		40 - 140	111%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.4		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.1		40 - 140	98%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2893-01	Acq On:	28 Aug 2025 15:55
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP/AJ
Data file:	FD049697.D	Misc:	4PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	838013	7.764	200	ug/ml
Aromatic C12-C16	6.150	8.777	1497297	12.116	300	ug/ml
Aromatic C16-C21	8.778	13.067	2778524	21.967	500	ug/ml
Aromatic C21-C36	13.068	18.488	3878179	34.437	800	ug/ml
Aromatic EPH	4.405	18.488	8992013	76.283		ug/ml
ortho-Terphenyl (SURR)	11.627	11.627	6368936	49.07		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	5704603	55.66		ug/ml
2-Fluorobiphenyl (SURR)	8.579	8.579	3754170	51.39		ug/ml