

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
FF016317.D	1	08/27/25	09/03/25	PB169427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.56	J	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.91	J	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.59	J	0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.75		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.0		40 - 140	126%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.6		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.6		40 - 140	111%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2893-01	Acq On:	03 Sep 2025 10:54
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP\AJ
Data file:	FF016317.D	Misc:	
Instrument:	FID_F	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.526	6.402	1118119	8.395	200	ug/ml
Aromatic C12-C16	6.403	9.106	1920990	13.708	300	ug/ml
Aromatic C16-C21	9.107	13.424	3336351	23.876	500	ug/ml
Aromatic C21-C36	13.425	18.875	5297158	41.244	800	ug/ml
Aromatic EPH	4.526	18.875	11672618	87.222		ug/ml
2-Bromonaphthalene (SURR)	8.035	8.035	7535367	63.03		ug/ml
2-Fluorobiphenyl (SURR)	8.909	8.909	4769791	57.6		ug/ml
ortho-Terphenyl (SURR)	11.978	11.978	8059877	55.57		ug/ml