

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-WATER-01-QT2-2025		SDG No.:	Q2126	
Lab Sample ID:	Q2126-07		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049451.D	1	06/11/25	06/12/25	PB168409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.92	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	12.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	21.6	J	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	41.3	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.0		40 - 140	84%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2126-07	Acq On:	12 Jun 2025 06:44
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD049451.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	662642	3.96	200	ug/ml
Aromatic C12-C16	6.169	8.797	1123877	5.993	300	ug/ml
Aromatic C16-C21	8.798	13.088	1992374	10.785	500	ug/ml
Aromatic C21-C36	13.089	18.509	2992241	20.628	800	ug/ml
Aromatic EPH	4.424	18.509	6771134	41.366		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7270890	36.22		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	6979533	41.99		ug/ml
2-Fluorobiphenyl (SURR)	8.600	8.600	4820850	42.14		ug/ml