

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-WATER-01-QT3-2025		SDG No.:	Q2893	
Lab Sample ID:	Q2893-07		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
FD049693.D	1	08/27/25	08/28/25	PB169426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.44	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	14.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	25.4	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)	51.6		40 - 140	103%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.8		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2893-07	Acq On:	28 Aug 2025 13:02
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD049693.D	Misc:	2.5PPM WATER LOD
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	509267	4.718	200	ug/ml
Aromatic C12-C16	6.150	8.777	864510	6.996	300	ug/ml
Aromatic C16-C21	8.778	13.067	1608411	12.716	500	ug/ml
Aromatic C21-C36	13.068	18.488	2326218	20.656	800	ug/ml
Aromatic EPH	4.405	18.488	5308406	45.085		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	5287842	51.6		ug/ml
2-Fluorobiphenyl (SURR)	8.580	8.580	3781835	51.77		ug/ml
ortho-Terphenyl (SURR)	11.625	11.625	5835598	44.96		ug/ml