

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
FD049704.D	1	08/27/25	08/29/25	PB169426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.9	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	28.6	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	50.4		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	85.4		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.8		40 - 140	128%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.6		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.6		40 - 140	113%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2893-07	Acq On:	29 Aug 2025 08:30
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD049704.D	Misc:	4 PPM WATER LOD
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.148	968401	8.972	200	ug/ml
Aromatic C12-C16	6.149	8.777	1765507	14.286	300	ug/ml
Aromatic C16-C21	8.778	13.068	3184939	25.18	500	ug/ml
Aromatic C21-C36	13.069	18.488	4807930	42.692	800	ug/ml
Aromatic EPH	4.405	18.488	10726777	91.13		ug/ml
2-Bromonaphthalene (SURRE)	7.715	7.715	6533897	63.75		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	4353457	59.6		ug/ml
ortho-Terphenyl (SURRE)	11.628	11.628	7353505	56.65		ug/ml