

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
FC069766.D	1	08/27/25	08/28/25	PB169426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	15.0	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	19.2	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	26.2	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	41.6	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.7		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2893-07	Acq On:	28 Aug 2025 12:20
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FC069766.D	Misc:	2.5PPM WATER LOD
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.591	953714	7.511	300	ug/ml
Aliphatic C12-C16	6.592	9.993	818796	6.38	200	ug/ml
Aliphatic C16-C21	9.994	13.361	1130997	9.604	300	ug/ml
Aliphatic C21-C28	13.362	17.027	1344480	13.101	400	ug/ml
Aliphatic C28-C40	17.028	21.995	1694780	20.809	600	ug/ml
Aliphatic EPH	3.295	21.995	5942767	57.405		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	6189769	64.69		ug/ml
Aliphatic C9-C28	3.295	17.027	4247987	36.596	1200	ug/ml