

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:	LOQ-WATER-02-QT3-2025		SDG No.:	Q2893	
Lab Sample ID:	Q2893-08		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
FF016347.D	1	08/27/25	09/08/25	PB169426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	17.1	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	15.0	J	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	70.4		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	32.8	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	54.3	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2893-08	Acq On:	08 Sep 2025 14:54
Client Sample ID:	LOQ-WATER-02-QT3-202.	Operator:	YP\AJ
Data file:	FF016347.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.863	1014269	8.562	300	ug/ml
Aliphatic C12-C16	8.597	10.307	918189	7.484	200	ug/ml
Aliphatic C16-C21	11.653	13.679	3997551	31.201	300	ug/ml
Aliphatic C21-C28	14.166	17.348	2057093	16.378	400	ug/ml
Aliphatic C28-C40	18.137	22.308	2758048	27.126	600	ug/ml
Aliphatic EPH	3.223	22.308	10745150	90.75		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	3280044	29.41		ug/ml
Aliphatic C9-C28	3.223	17.348	7987102	63.625	1200	ug/ml