

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
FE055690.D	1	08/27/25	09/05/25	PB169426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	17.9	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	15.2	J	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	24.1	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	34.6	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	91.7		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.6		40 - 140	57%	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:	05 Sep 2025 15:36
Client Sample ID:	LOQ-WATER-02-QT3-202.	Operator:	YP\AJ
Data file:	FE055690.D	Misc:	5 PPM WATER LOQ
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	1150572	8.961	300	ug/ml
Aliphatic C12-C16	6.946	10.397	1029885	7.623	200	ug/ml
Aliphatic C16-C21	10.398	13.775	1739567	12.062	300	ug/ml
Aliphatic C21-C28	13.776	17.446	2475799	17.285	400	ug/ml
Aliphatic C28-C40	17.447	22.456	6312329	45.835	600	ug/ml
Aliphatic EPH	3.311	22.456	12708152	91.766		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	3575320	28.59		ug/ml
Aliphatic C9-C28	3.311	17.446	6395823	45.931	1200	ug/ml