

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/23/25	
Project:	LOD-LOQ-MDL Study		Date Received:	05/23/25	
Client Sample ID:	LOD-MDL-WATER-01-QT2-2025		SDG No.:	Q2126	
Lab Sample ID:	Q2126-07		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
FF016012.D	1	06/11/25	06/16/25	PB168409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	19.5	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	15.8	J	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	25.0	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	34.7	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	63.2		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.3		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2126-07	Acq On:	16 Jun 2025 21:23
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP\AJ
Data file:	FF016012.D	Misc:	4 PPM WATER LOD
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.267	6.898	1164162	9.755	300	ug/ml
Aliphatic C12-C16	6.899	10.337	978758	7.888	200	ug/ml
Aliphatic C16-C21	10.338	13.706	1608785	12.497	300	ug/ml
Aliphatic C21-C28	13.707	17.372	2216615	17.338	400	ug/ml
Aliphatic C28-C40	17.373	22.341	3123099	31.576	600	ug/ml
Aliphatic EPH	3.267	22.341	9091419	79.054		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.441	13.441	5414309	48.29		ug/ml
Aliphatic C9-C28	3.267	17.372	5968320	47.478	1200	ug/ml