

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	11/03/25
Project:	LOD-LOQ-MDL Study		Date Received:	11/03/25
Client Sample ID:	LOD-MDL-WATER-01-QT4-2025		SDG No.:	Q3530
Lab Sample ID:	Q3530-07		Matrix:	Water
Analytical Method:	NJEPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	2000 uL	Test:
Prep Method :	SW3510	Prep Date :	12/03/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	10.9	J	1	8.28	30.0	ug/l	FF016865.D	12/08/25 18:19	PB170800
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FF016865.D	12/08/25 18:19	PB170800
Aliphatic C16-C21	Aliphatic C16-C21	13.1	J	1	8.34	30.0	ug/l	FF016865.D	12/08/25 18:19	PB170800
Aliphatic C21-C28	Aliphatic C21-C28	16.5	J	1	12.5	40.0	ug/l	FF016865.D	12/08/25 18:19	PB170800
Aliphatic C28-C40	Aliphatic C28-C40	29.0	J	1	23.8	60.0	ug/l	FF016865.D	12/08/25 18:19	PB170800
Total AliphaticEPH	Total AliphaticEPH	69.5	J		66.4	180	ug/l			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l			
Total EPH	Total EPH	69.5	J		66.4	180	ug/l			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Aliphatic C28-C40	Aliphatic C28-C40	29.0	J	1	23.8	60.0	ug/l	12/08/25	PB170800
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	18.4			40 - 140	37%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3530-07	Acq On:	08 Dec 2025 18:19
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP\AJ
Data file:	FF016865.D	Misc:	2.5PPM WATER LOD
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.203	6.839	663961	5.451	300	ug/ml
Aliphatic C12-C16	6.840	10.282	509309	4.099	200	ug/ml
Aliphatic C16-C21	10.283	13.656	857910	6.526	300	ug/ml
Aliphatic C21-C28	13.657	17.329	1132385	8.253	400	ug/ml
Aliphatic C28-C40	17.330	22.276	1608496	14.504	600	ug/ml
Aliphatic EPH	3.203	22.276	4772061	38.834		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	2108090	18.36		ug/ml
Aliphatic C9-C28	3.203	17.329	3163565	24.329	1200	ug/ml