

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			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:00	06/16/25 13:29	PB168409

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.99	J	1	8.28	30.0	ug/l	FG016097.D
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FG016097.D
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	1	8.34	30.0	ug/l	FG016097.D
Aliphatic C21-C28	Aliphatic C21-C28	17.9	J	1	12.5	40.0	ug/l	FG016097.D
Aliphatic C28-C40	Aliphatic C28-C40	32.8	J	1	23.8	60.0	ug/l	FG016097.D
Total AliphaticEPH	Total AliphaticEPH	73.6	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	73.6	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

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			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:00	06/16/25 13:29	PB168409

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	10.4	J	1	2.07	20.0	ug/l	FF015997.D
Aromatic C12-C16	Aromatic C12-C16	16.4	J	1	4.26	30.0	ug/l	FF015997.D
Aromatic C16-C21	Aromatic C16-C21	28.7	J	1	8.27	50.0	ug/l	FF015997.D
Aromatic C21-C36	Aromatic C21-C36	46.6	J	1	23.8	80.0	ug/l	FF015997.D
Total AliphaticEPH	Total AliphaticEPH	0	U		0	0	ug/l	
Total AromaticEPH	Total AromaticEPH	102	J		38.4	180	ug/l	
Total EPH	Total EPH	102	J		38.4	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

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			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:00	06/16/25 13:29	PB168409

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	10.4	J	1	2.07	20.0	ug/l	FF015997.D
Aromatic C12-C16	Aromatic C12-C16	16.4	J	1	4.26	30.0	ug/l	FF015997.D
Aromatic C16-C21	Aromatic C16-C21	28.7	J	1	8.27	50.0	ug/l	FF015997.D
Aromatic C21-C36	Aromatic C21-C36	46.6	J	1	23.8	80.0	ug/l	FF015997.D
Total AliphaticEPH	Total AliphaticEPH	0	U		0	0	ug/l	
Total AromaticEPH	Total AromaticEPH	102	J		38.4	180	ug/l	
Total EPH	Total EPH	102	J		38.4	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

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			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:00	06/16/25 13:29	PB168409

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	10.4	J	1	2.07	20.0	ug/l	FF015997.D
Aromatic C12-C16	Aromatic C12-C16	16.4	J	1	4.26	30.0	ug/l	FF015997.D
Aromatic C16-C21	Aromatic C16-C21	28.7	J	1	8.27	50.0	ug/l	FF015997.D
Aromatic C21-C36	Aromatic C21-C36	46.6	J	1	23.8	80.0	ug/l	FF015997.D
Total AliphaticEPH	Total AliphaticEPH	0	U		0	0	ug/l	
Total AromaticEPH	Total AromaticEPH	102	J		38.4	180	ug/l	
Total EPH	Total EPH	102	J		38.4	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

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:	NJEPH		
Sample Wt/Vol:		Units:	Final Vol:
Soil Aliquot Vol:		uL	Test:
Prep Method :			

Prep Date :

Date Analyzed :

Prep Batch ID

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL
------------	-----------	-------	-----------	----------	-----	------------

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

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:	NJEPH		
Sample Wt/Vol:		Units:	Final Vol:
Soil Aliquot Vol:		uL	Test:
Prep Method :			

Prep Date :

Date Analyzed :

Prep Batch ID

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL
------------	-----------	-------	-----------	----------	-----	------------

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

Report of Analysis

Client:	Date Collected:
Project:	Date Received:
Client Sample ID:	SDG No.:
Lab Sample ID:	Matrix:
Analytical Method: NJEPH	
Sample Wt/Vol: Units:	Final Vol:
Soil Aliquot Vol: uL	Test:
Prep Method :	

Prep Date :

Date Analyzed :

Prep Batch ID

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL
------------	-----------	-------	-----------	----------	-----	------------

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

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
FC069177.D	1	06/11/25	06/12/25	PB168409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	19.3	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	24.7	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	33.8	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	46.9	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	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:	12 Jun 2025 07:23
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FC069177.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	1020382	9.652	300	ug/ml
Aliphatic C12-C16	6.606	10.010	805788	7.901	200	ug/ml
Aliphatic C16-C21	10.011	13.380	1207741	12.341	300	ug/ml
Aliphatic C21-C28	13.381	17.048	1583358	16.879	400	ug/ml
Aliphatic C28-C40	17.049	22.033	2213279	23.436	600	ug/ml
Aliphatic EPH	3.303	22.033	6830548	70.209		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3951515	44.05		ug/ml
Aliphatic C9-C28	3.303	17.048	4617269	46.773	1200	ug/ml