

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Lexington		Date Received:		
Client Sample ID:	WC-1MSD		SDG No.:	Q2480	
Lab Sample ID:	Q2478-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.6	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 21:34	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.3	E	1	1.27	2.15	mg/kg	FC069362.D
Aliphatic C9-C28	Aliphatic C9-C28	69.5		1	0.98	4.32	mg/kg	FC069362.D
Total AliphaticEPH	Total AliphaticEPH	137			2.25	6.47	mg/kg	
Total EPH	Total EPH	137			2.25	6.47	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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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Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069362.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	69.5		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.3	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.9		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.8		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2478-01MSD	Acq On:	02 Jul 2025 21:34
Client Sample ID:	WC-1MSD	Operator:	YP/AJ
Data file:	FC069362.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	24731964	168.612	300	ug/ml
Aliphatic C12-C16	6.605	10.008	34408909	216.122	200	ug/ml
Aliphatic C16-C21	10.009	13.377	39309413	254.538	300	ug/ml
Aliphatic C21-C28	13.378	17.043	43980372	328.294	400	ug/ml
Aliphatic C28-C40	17.044	22.026	86413404	938.008	600	ug/ml
Aliphatic EPH	3.304	22.026	228844062	1910		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	4115666	23.82		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3246830	24.85		ug/ml
Aliphatic C9-C28	3.304	17.043	142430658	967.566	1200	ug/ml