

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	WC-1MS	SDG No.:	Q2480
Lab Sample ID:	Q2478-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.08 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 20:47	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.2	E	1	1.27	2.15	mg/kg	FC069361.D
Aliphatic C9-C28	Aliphatic C9-C28	67.8		1	0.98	4.32	mg/kg	FC069361.D
Total AliphaticEPH	Total AliphaticEPH	135			2.25	6.47	mg/kg	
Total EPH	Total EPH	135			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:	30.08 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
FC069361.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	67.8		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.2	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.3		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.3		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2478-01MS	Acq On:	02 Jul 2025 20:47
Client Sample ID:	WC-1MS	Operator:	YP/AJ
Data file:	FC069361.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	24148362	164.633	300	ug/ml
Aliphatic C12-C16	6.605	10.008	33531121	210.609	200	ug/ml
Aliphatic C16-C21	10.009	13.377	38378932	248.513	300	ug/ml
Aliphatic C21-C28	13.378	17.043	43163221	322.194	400	ug/ml
Aliphatic C28-C40	17.044	22.026	86194514	935.632	600	ug/ml
Aliphatic EPH	3.304	22.026	225416150	1880		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4023882	23.29		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3175165	24.3		ug/ml
Aliphatic C9-C28	3.304	17.043	139221636	945.949	1200	ug/ml