

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BSD	SDG No.:	Q2480
Lab Sample ID:	PB168702BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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 18:27	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1	1.18	2.00	mg/kg	FC069358.D
Aliphatic C9-C28	Aliphatic C9-C28	73.1		1	0.91	3.99	mg/kg	FC069358.D
Total AliphaticEPH	Total AliphaticEPH	105			2.09	5.99	mg/kg	
Total EPH	Total EPH	105			2.09	5.99	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069358.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	73.1		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168702BSD	Acq On:	02 Jul 2025 18:27
Client Sample ID:	PB168702BSD	Operator:	YP/AJ
Data file:	FC069358.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	28591820	194.927	300	ug/ml
Aliphatic C12-C16	6.605	10.008	39639402	248.975	200	ug/ml
Aliphatic C16-C21	10.009	13.377	44162168	285.961	300	ug/ml
Aliphatic C21-C28	13.378	17.043	49042940	366.084	400	ug/ml
Aliphatic C28-C40	17.044	22.026	43457637	471.728	600	ug/ml
Aliphatic EPH	3.304	22.026	204893967	1570		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	6140865	35.55		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4844779	37.08		ug/ml
Aliphatic C9-C28	3.304	17.043	161436330	1100	1200	ug/ml