

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 18:51	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1	1.33	2.25	mg/kg	FE054674.D
Aliphatic C9-C28	Aliphatic C9-C28	4.34	J	1	1.02	4.49	mg/kg	FE054674.D
Total AliphaticEPH	Total AliphaticEPH	10.3			2.35	6.74	mg/kg	
Total EPH	Total EPH	10.3			2.35	6.74	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054674.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	4.34	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.5		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-03	Acq On:	02 Jul 2025 18:51
Client Sample ID:	GPX3	Operator:	YP\AJ
Data file:	FE054674.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	2496442	18.349	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1625249	11.562	200	ug/ml
Aliphatic C16-C21	10.403	13.777	1844325	12.773	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2228650	15.407	400	ug/ml
Aliphatic C28-C40	17.449	22.462	10951493	78.988	600	ug/ml
Aliphatic EPH	3.319	22.462	19146159	137.079		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6088770	37.49		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4831316	38.25		ug/ml
Aliphatic C9-C28	3.319	17.448	8194666	58.091	1200	ug/ml