

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX8	SDG No.:	Q2480
Lab Sample ID:	Q2480-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.04	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 21:24	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1	1.35	2.29	mg/kg	FE054679.D
Aliphatic C9-C28	Aliphatic C9-C28	47.3		1	1.04	4.59	mg/kg	FE054679.D
Total AliphaticEPH	Total AliphaticEPH	53.7			2.39	6.88	mg/kg	
Total EPH	Total EPH	53.7			2.39	6.88	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054679.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	47.3		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-08	Acq On:	02 Jul 2025 21:24
Client Sample ID:	GPX8	Operator:	YP\AJ
Data file:	FE054679.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	61528928	452.235	300	ug/ml
Aliphatic C12-C16	6.952	10.402	14123911	100.477	200	ug/ml
Aliphatic C16-C21	10.403	13.777	3122692	21.626	300	ug/ml
Aliphatic C21-C28	13.778	17.448	6609485	45.692	400	ug/ml
Aliphatic C28-C40	17.449	22.462	11522473	83.106	600	ug/ml
Aliphatic EPH	3.319	22.462	96907489	703.138		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4801239	29.57		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3989935	31.59		ug/ml
Aliphatic C9-C28	3.319	17.448	85385016	620.03	1200	ug/ml