

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	03/05/25 7:38	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	28.8		10	4.11	10.8	mg/kg FC068362.D
Aliphatic C12-C16	Aliphatic C12-C16	94.9		10	2.60	7.21	mg/kg FC068362.D
Aliphatic C16-C21	Aliphatic C16-C21	691		100	32.5	108	mg/kg FC068363.D
Aliphatic C21-C28	Aliphatic C21-C28	1030		100	86.6	144	mg/kg FC068363.D
Aliphatic C28-C40	Aliphatic C28-C40	992		100	194	216	mg/kg FC068363.D
Aromatic C10-C12	Aromatic C10-C12	8.91		1	0.33	0.72	mg/kg FD049147.D
Aromatic C12-C16	Aromatic C12-C16	8.79		1	0.37	1.08	mg/kg FD049147.D
Aromatic C16-C21	Aromatic C16-C21	337		25	26.0	45.1	mg/kg FD049153.D
Aromatic C21-C36	Aromatic C21-C36	724		25	54.1	72.1	mg/kg FD049153.D
Total AliphaticEPH	Total AliphaticEPH	2840			320	486	mg/kg
Total AromaticEPH	Total AromaticEPH	1080			80.8	119	mg/kg
Total EPH	Total EPH	3920			401	605	mg/kg

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:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068339.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	31.0	E	0.41	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	85.5	E	0.26	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	666	E	0.33	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1050	E	0.87	1.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	841	E	1.95	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01	Acq On:	28 Feb 2025 21:59
Client Sample ID:	WC1	Operator:	YP/AJ
Data file:	FC068339.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	60697755	430.372	300	ug/ml
Aliphatic C12-C16	6.370	9.754	161996459	1190	200	ug/ml
Aliphatic C16-C21	9.755	13.107	1215480389	9230	300	ug/ml
Aliphatic C21-C28	13.108	16.761	1780882408	14500	400	ug/ml
Aliphatic C28-C40	16.762	21.565	1199218443	11700	600	ug/ml
Aliphatic EPH	3.104	21.565	4418275454	37000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.867	12.867	5369083	47.74		ug/ml
Aliphatic C9-C28	3.104	16.761	3219057011	25400	1200	ug/ml