

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-B	SDG No.:	Q1937
Lab Sample ID:	Q1937-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
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
05/05/25 09:05	05/05/25 18:04	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.66		1	1.24	2.10	mg/kg	FC068774.D
Aliphatic C9-C28	Aliphatic C9-C28	5.79		1	0.95	4.20	mg/kg	FC068774.D
Total AliphaticEPH	Total AliphaticEPH	8.45			2.19	6.30	mg/kg	
Total EPH	Total EPH	8.45			2.19	6.30	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
FC068774.D	1	05/05/25	05/05/25	PB167855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.79		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.66		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1937-04	Acq On:	05 May 2025 18:04
Client Sample ID:	LARGE-PILE-B	Operator:	YP/AJ
Data file:	FC068774.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.643	255057	2.423	300	ug/ml
Aliphatic C12-C16	6.644	10.043	727585	7.111	200	ug/ml
Aliphatic C16-C21	10.044	13.410	6295903	63.713	300	ug/ml
Aliphatic C21-C28	13.411	17.073	911925	9.682	400	ug/ml
Aliphatic C28-C40	17.074	22.072	3424588	38.101	600	ug/ml
Aliphatic EPH	3.342	22.072	11615058	121.029		ug/ml
ortho-Terphenyl (SURR)	11.713	11.713	5531977	43.44		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	4199242	45.2		ug/ml
Aliphatic C9-C28	3.342	17.073	8190470	82.929	1200	ug/ml