

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-C	SDG No.:	Q1937
Lab Sample ID:	Q1937-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.03 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 18:40	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.66		1	1.26	2.13	mg/kg	FC068775.D
Aliphatic C9-C28	Aliphatic C9-C28	1.75	J	1	0.97	4.27	mg/kg	FC068775.D
Total AliphaticEPH	Total AliphaticEPH	4.41	J		2.23	6.40	mg/kg	
Total EPH	Total EPH	4.41	J		2.23	6.40	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
FC068775.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	1.75	J	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.66		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1937-06	Acq On:	05 May 2025 18:40
Client Sample ID:	LARGE-PILE-C	Operator:	YP/AJ
Data file:	FC068775.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.643	224929	2.136	300	ug/ml
Aliphatic C12-C16	6.644	10.043	595934	5.824	200	ug/ml
Aliphatic C16-C21	10.044	13.410	771384	7.806	300	ug/ml
Aliphatic C21-C28	13.411	17.073	840647	8.925	400	ug/ml
Aliphatic C28-C40	17.074	22.072	3371165	37.506	600	ug/ml
Aliphatic EPH	3.342	22.072	5804059	62.198		ug/ml
ortho-Terphenyl (SURR)	11.711	11.711	4416837	34.69		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3345792	36.02		ug/ml
Aliphatic C9-C28	3.342	17.073	2432894	24.691	1200	ug/ml