

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:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
Sample Wt/Vol:	30.06 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 18:16	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.07		1	1.21	2.05	mg/kg	FE053649.D
Aliphatic C9-C28	Aliphatic C9-C28	0.93	U	1	0.93	4.08	mg/kg	FE053649.D
Total AliphaticEPH	Total AliphaticEPH	8.07			2.14	6.13	mg/kg	
Total EPH	Total EPH	8.07			2.14	6.13	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053649.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	0.93	U	0.93	4.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.07		1.21	2.05	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1938-06	Acq On:	05 May 2025 18:16
Client Sample ID:	LOWER-WALL-PILE-C	Operator:	YP\AJ
Data file:	FE053649.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	250346	1.807	300	ug/ml
Aliphatic C12-C16	6.756	10.204	659968	4.654	200	ug/ml
Aliphatic C16-C21	10.205	13.579	464130	3.193	300	ug/ml
Aliphatic C21-C28	13.580	17.249	1128241	7.936	400	ug/ml
Aliphatic C28-C40	17.250	22.140	15284852	118.442	600	ug/ml
Aliphatic EPH	3.112	22.140	17787537	136.031		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	5422784	30.07		ug/ml
1-chlorooctadecane (SURR)	13.310	13.310	3983700	29.47		ug/ml
Aliphatic C9-C28	3.112	17.249	2502685	17.59	1200	ug/ml