

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-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96
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 17:46	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1	1.23	2.08	mg/kg	FE053648.D
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	1	0.95	4.16	mg/kg	FE053648.D
Total AliphaticEPH	Total AliphaticEPH	14.1			2.17	6.24	mg/kg	
Total EPH	Total EPH	14.1			2.17	6.24	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
FE053648.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	1.86	J	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.3		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.4		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1938-04	Acq On:	05 May 2025 17:46
Client Sample ID:	LOWER-WALL-PILE-B	Operator:	YP\AJ
Data file:	FE053648.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	235842	1.702	300	ug/ml
Aliphatic C12-C16	6.756	10.204	623527	4.397	200	ug/ml
Aliphatic C16-C21	10.205	13.579	836553	5.755	300	ug/ml
Aliphatic C21-C28	13.580	17.249	2391438	16.82	400	ug/ml
Aliphatic C28-C40	17.250	22.140	22651517	175.526	600	ug/ml
Aliphatic EPH	3.112	22.140	26738877	204.201		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	4578716	25.39		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	3551166	26.27		ug/ml
Aliphatic C9-C28	3.112	17.249	4087360	28.674	1200	ug/ml