

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-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.02 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 18:46	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.80		1	1.25	2.11	mg/kg	FE053650.D
Aliphatic C9-C28	Aliphatic C9-C28	0.96	U	1	0.96	4.23	mg/kg	FE053650.D
Total AliphaticEPH	Total AliphaticEPH	5.80	J		2.21	6.34	mg/kg	
Total EPH	Total EPH	5.80	J		2.21	6.34	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
FE053650.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	0.96	U	0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.80		1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1938-08	Acq On:	05 May 2025 18:46
Client Sample ID:	LOWER-WALL-PILE-D	Operator:	YP\AJ
Data file:	FE053650.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	237373	1.713	300	ug/ml
Aliphatic C12-C16	6.756	10.204	737932	5.204	200	ug/ml
Aliphatic C16-C21	10.205	13.579	465027	3.199	300	ug/ml
Aliphatic C21-C28	13.580	17.249	904045	6.359	400	ug/ml
Aliphatic C28-C40	17.250	22.140	10638233	82.435	600	ug/ml
Aliphatic EPH	3.112	22.140	12982610	98.91		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	6066208	33.63		ug/ml
1-chlorooctadecane (SURR)	13.310	13.310	4555624	33.7		ug/ml
Aliphatic C9-C28	3.112	17.249	2344377	16.475	1200	ug/ml