

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 19:33	PB164070

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1	1.92	2.14	mg/kg	FE050628.D
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1	1.84	4.27	mg/kg	FE050628.D
Total AliphaticEPH	Total AliphaticEPH	18.5			3.76	6.41	mg/kg	
Total EPH	Total EPH	18.5			3.76	6.41	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
FE050628.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-18	Acq On:	11 Oct 2024 19:33
Client Sample ID:	SP-9	Operator:	YP\AJ
Data file:	FE050628.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	350641	2.454	300	ug/ml
Aliphatic C12-C16	6.766	10.197	823698	5.676	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1788388	12.385	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2390242	16.814	400	ug/ml
Aliphatic C28-C40	17.209	22.055	31149150	225.224	600	ug/ml
Aliphatic EPH	3.149	22.055	36502119	262.553		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5051468	32.04		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3984071	33.68		ug/ml
Aliphatic C9-C28	3.149	17.208	5352969	37.329	1200	ug/ml