

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:33	PB164070

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1	1.92	2.14	mg/kg FE050624.D
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1	1.84	4.27	mg/kg FE050624.D
Total AliphaticEPH	Total AliphaticEPH	17.3			3.76	6.41	mg/kg
Total EPH	Total EPH	17.3			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050624.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	5.45		1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-10	Acq On:	11 Oct 2024 17:33
Client Sample ID:	SP-5	Operator:	YP\AJ
Data file:	FE050624.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	374311	2.619	300	ug/ml
Aliphatic C12-C16	6.766	10.197	999153	6.885	200	ug/ml
Aliphatic C16-C21	10.198	13.555	7590816	52.568	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2433355	17.118	400	ug/ml
Aliphatic C28-C40	17.209	22.055	22915987	165.694	600	ug/ml
Aliphatic EPH	3.149	22.055	34313622	244.883		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5805451	36.82		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4602122	38.9		ug/ml
Aliphatic C9-C28	3.149	17.208	11397635	79.19	1200	ug/ml