

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 20:04	PB164070

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.90	2.12	mg/kg	FE050629.D
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.82	4.24	mg/kg	FE050629.D
Total AliphaticEPH	Total AliphaticEPH	18.9			3.72	6.36	mg/kg	
Total EPH	Total EPH	18.9			3.72	6.36	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
FE050629.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	3.91	J	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.90	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-20	Acq On:	11 Oct 2024 20:04
Client Sample ID:	SP-10	Operator:	YP\AJ
Data file:	FE050629.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	329564	2.306	300	ug/ml
Aliphatic C12-C16	6.766	10.197	769523	5.303	200	ug/ml
Aliphatic C16-C21	10.198	13.555	5435124	37.639	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1793381	12.616	400	ug/ml
Aliphatic C28-C40	17.209	22.055	29439615	212.863	600	ug/ml
Aliphatic EPH	3.149	22.055	37767207	270.726		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5013767	31.8		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3951180	33.4		ug/ml
Aliphatic C9-C28	3.149	17.208	8327592	57.864	1200	ug/ml