

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MSD	SDG No.:	P4385
Lab Sample ID:	P4376-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.06 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 17:52	PB164070

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	74.2	E	1	1.89	2.11	mg/kg	FC067406.D
Aliphatic C9-C28	Aliphatic C9-C28	70.7		1	1.81	4.20	mg/kg	FC067406.D
Total AliphaticEPH	Total AliphaticEPH	145			3.70	6.31	mg/kg	
Total EPH	Total EPH	145			3.70	6.31	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
FC067406.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	70.7		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	74.2	E	1.89	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4376-01MSD	Acq On:	11 Oct 2024 17:52
Client Sample ID:	OR-02-100924MSD	Operator:	YP/AJ
Data file:	FC067406.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	18042280	140.566	300	ug/ml
Aliphatic C12-C16	6.458	9.848	28894181	220.638	200	ug/ml
Aliphatic C16-C21	9.849	13.207	38150608	290.171	300	ug/ml
Aliphatic C21-C28	13.208	16.862	45083491	355.482	400	ug/ml
Aliphatic C28-C40	16.863	21.712	111205034	1060	600	ug/ml
Aliphatic EPH	3.175	21.712	241375594	2060		ug/ml
ortho-Terphenyl (SURR)	11.507	11.507	5578238	36.66		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4537994	40.09		ug/ml
Aliphatic C9-C28	3.175	16.862	130170560	1010	1200	ug/ml