

Report of Analysis

Client:	PSEG	Date Collected:	11/22/24
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	11/22/24
Client Sample ID:	CL-02-112224	SDG No.:	P4971
Lab Sample ID:	P4971-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.1
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
11/25/24 11:40	11/26/24 8:16	PB165243

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	109		5	11.1	12.3	mg/kg FE051455.D
Aliphatic C9-C28	Aliphatic C9-C28	9.34		1	2.12	4.92	mg/kg FE051440.D
Total AliphaticEPH	Total AliphaticEPH	118			13.2	17.2	mg/kg
Total EPH	Total EPH	118			13.2	17.2	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
FE051440.D	1	11/25/24	11/25/24	PB165243

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.34		2.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	113	E	2.22	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.2		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.4		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4971-01	Acq On:	25 Nov 2024 18:16
Client Sample ID:	CL-02-112224	Operator:	YP\AJ
Data file:	FE051440.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.744	638994	4.567	300	ug/ml
Aliphatic C12-C16	6.745	10.176	2052153	14.592	200	ug/ml
Aliphatic C16-C21	10.177	13.535	3632524	26.367	300	ug/ml
Aliphatic C21-C28	13.536	17.190	9750216	72.789	400	ug/ml
Aliphatic C28-C40	17.191	22.028	177353054	1380	600	ug/ml
Aliphatic EPH	3.129	22.028	193426941	1500		ug/ml
ortho-Terphenyl (SURR)	11.837	11.837	5459675	36.37		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	4562045	40.18		ug/ml
Aliphatic C9-C28	3.129	17.190	16073887	118.315	1200	ug/ml