

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-E2	SDG No.:	P4971
Lab Sample ID:	P4971-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.08 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 8:46	PB165243

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	175		5	10.6	11.8	mg/kg FE051456.D
Aliphatic C9-C28	Aliphatic C9-C28	7.69		1	2.03	4.72	mg/kg FE051444.D
Total AliphaticEPH	Total AliphaticEPH	183			12.6	16.5	mg/kg
Total EPH	Total EPH	183			12.6	16.5	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
FE051444.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	7.69		2.03	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	169	E	2.12	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4971-02	Acq On:	25 Nov 2024 20:17
Client Sample ID:	CL-02-112224-E2	Operator:	YP\AJ
Data file:	FE051444.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	3.129	6.744	603100	4.31	300	ug/ml
Aliphatic C12-C16	6.745	10.176	1135294	8.073	200	ug/ml
Aliphatic C16-C21	10.177	13.535	1755953	12.746	300	ug/ml
Aliphatic C21-C28	13.536	17.190	10334833	77.154	400	ug/ml
Aliphatic C28-C40	17.191	22.028	276936612	2150	600	ug/ml
Aliphatic EPH	3.129	22.028	290765792	2250		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	4607977	30.7		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	3773926	33.24		ug/ml
Aliphatic C9-C28	3.129	17.190	13829180	102.283	1200	ug/ml