

Report of Analysis

Client:	PSEG	Date Collected:	10/21/24
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	10/21/24
Client Sample ID:	CL-01-102124-E2	SDG No.:	P4470
Lab Sample ID:	P4470-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
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
10/22/24 08:39	10/23/24 9:13	PB164308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	185		5	9.55	10.6	mg/kg FE050783.D
Aliphatic C9-C28	Aliphatic C9-C28	9.44		1	1.83	4.25	mg/kg FE050772.D
Total AliphaticEPH	Total AliphaticEPH	194			11.4	14.8	mg/kg
Total EPH	Total EPH	194			11.4	14.8	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
FE050772.D	1	10/22/24	10/22/24	PB164308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.44		1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	165	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.4		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.7		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4470-02	Acq On:	22 Oct 2024 19:07
Client Sample ID:	CL-01-102124-E2	Operator:	YP\AJ
Data file:	FE050772.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.769	319473	2.236	300	ug/ml
Aliphatic C12-C16	6.770	10.202	1261302	8.692	200	ug/ml
Aliphatic C16-C21	10.203	13.562	1822983	12.624	300	ug/ml
Aliphatic C21-C28	13.563	17.219	15925124	112.027	400	ug/ml
Aliphatic C28-C40	17.220	22.072	322985519	2340	600	ug/ml
Aliphatic EPH	3.150	22.072	342314401	2470		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	3424029	21.72		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	2768277	23.4		ug/ml
Aliphatic C9-C28	3.150	17.219	19328882	135.579	1200	ug/ml