

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	SDG No.:	P4470
Lab Sample ID:	P4470-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.05 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 8:43	PB164308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	229		10	19.0	21.1	mg/kg	FE050782.D
Aliphatic C9-C28	Aliphatic C9-C28	20.6		1	1.82	4.23	mg/kg	FE050771.D
Total AliphaticEPH	Total AliphaticEPH	250			20.8	25.3	mg/kg	
Total EPH	Total EPH	250			20.8	25.3	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
FE050771.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	20.6		1.82	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	214	E	1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4470-01	Acq On:	22 Oct 2024 18:37
Client Sample ID:	CL-01-102124	Operator:	YP\AJ
Data file:	FE050771.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.769	527555	3.692	300	ug/ml
Aliphatic C12-C16	6.770	10.202	2766204	19.062	200	ug/ml
Aliphatic C16-C21	10.203	13.562	2959680	20.496	300	ug/ml
Aliphatic C21-C28	13.563	17.219	35827757	252.033	400	ug/ml
Aliphatic C28-C40	17.220	22.072	421314551	3050	600	ug/ml
Aliphatic EPH	3.150	22.072	463395747	3340		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	4516282	28.65		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	3626971	30.66		ug/ml
Aliphatic C9-C28	3.150	17.219	42081196	295.283	1200	ug/ml