

Report of Analysis

Client:	PSEG	Date Collected:	12/26/24
Project:	Moorestown	Date Received:	12/26/24
Client Sample ID:	MOO-24-00395-96	SDG No.:	P5386
Lab Sample ID:	P5386-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/27/24 08:56	12/30/24 10:51	PB165873

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	666		5	53.8	59.8	mg/kg FE051802.D
Aliphatic C9-C28	Aliphatic C9-C28	19100		100	1030	2390	mg/kg FE051803.D
Total AliphaticEPH	Total AliphaticEPH	19700			1080	2450	mg/kg
Total EPH	Total EPH	19700			1080	2450	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
FE051793.D	1	12/27/24	12/27/24	PB165873

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	18000	E	10.3	23.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	637	E	10.8	12.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5386-03	Acq On:	27 Dec 2024 19:30
Client Sample ID:	MOO-24-00395-96	Operator:	YP\AJ
Data file:	FE051793.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.383	6.959	2892061	23.97	300	ug/ml
Aliphatic C12-C16	6.960	10.369	349334966	2640	200	ug/ml
Aliphatic C16-C21	10.370	13.712	4592798428	33700	300	ug/ml
Aliphatic C21-C28	13.713	17.351	1129144982	8890	400	ug/ml
Aliphatic C28-C40	17.352	22.254	159773427	1600	600	ug/ml
Aliphatic EPH	3.383	22.254	6233943864	46900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.383	17.351	6074170437	45300	1200	ug/ml