284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/29/25
Project:	Moorestown	Date Received:	04/29/25
Client Sample ID:	MOO-25-0123-27-E2	SDG No.:	Q1910
Lab Sample ID:	Q1910-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/30/25 09:20	04/30/25 15:43	PB167797

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.45		1	1.41	2.39	mg/kg	FE053588.D
Aliphatic C9-C28	Aliphatic C9-C28	35.0		1	1.09	4.80	mg/kg	FE053588.D
Total AliphaticEPH	Total AliphaticEPH	42.5			2.50	7.19	mg/kg	
Total EPH	Total EPH	42.5			2.50	7.19	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
FE053588.D	1	04/30/25	04/30/25	PB167797

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.0		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.45		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.3		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1910-02	Acq On:	30 Apr 2025 15:43
Client Sample ID:	MOO-25-0123-27-E2	Operator:	YP\AJ
Data file:	FE053588.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	329385	2.377	300	ug/ml
Aliphatic C12-C16	6.757	10.205	2032904	14.336	200	ug/ml
Aliphatic C16-C21	10.206	13.580	49219142	338.593	300	ug/ml
Aliphatic C21-C28	13.581	17.248	11886090	83.602	400	ug/ml
Aliphatic C28-C40	17.249	22.137	12047712	93.358	600	ug/ml
Aliphatic EPH	3.114	22.137	75515233	532.265		ug/ml
ortho-Terphenyl (SURR)	11.867	11.867	4223552	23.42		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	3146868	23.28		ug/ml
Aliphatic C9-C28	3.114	17.248	63467521	438.908	1200	ug/ml