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

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Moorestown	Date Received:	06/10/25
Client Sample ID:	MOO-25-0166-MOO-25-0167	SDG No.:	Q2283
Lab Sample ID:	Q2283-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/12/25 14:10	PB168413

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	82.5		5	6.78	11.5	mg/kg	FE054338.D
Aliphatic C9-C28	Aliphatic C9-C28	3580		50	52.3	230	mg/kg	FE054339.D
Total AliphaticEPH	Total AliphaticEPH	3660			59.1	241	mg/kg	
Total EPH	Total EPH	3660			59.1	241	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
FE054316.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3120	E	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.0	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	63.7		40 - 140	127%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2283-01	Acq On:	11 Jun 2025 19:23
Client Sample ID:	MOO-25-0166-MOO-25-01	Operator:	YP\AJ
Data file:	FE054316.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	7436858	59.374	300	ug/ml
Aliphatic C12-C16	6.724	10.169	615184234	4690	200	ug/ml
Aliphatic C16-C21	10.170	13.542	3473037399	25900	300	ug/ml
Aliphatic C21-C28	13.543	17.208	1270095680	10000	400	ug/ml
Aliphatic C28-C40	17.209	22.074	112050239	873.718	600	ug/ml
Aliphatic EPH	3.078	22.074	5477804410	41600		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	10528967	63.72		ug/ml
1-chlorooctadecane (SURR)	13.248	13.248	5466489	44.83		ug/ml
Aliphatic C9-C28	3.078	17.208	5365754171	40700	1200	ug/ml