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

Report of Analysis

Client:	PSEG		Date Collected:	08/28/25	
Project:	Moorestown HQ		Date Received:	08/28/25	
Client Sample ID:	MOO-25-0237		SDG No.:	Q2982	
Lab Sample ID:	Q2982-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	5.07 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/02/25 10:30	09/03/25 9:55	PB169491

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4980		50	349	591	mg/kg	FG016514.D
Aliphatic C9-C28	Aliphatic C9-C28	214000		1000	5380	23700	mg/kg	FG016515.D
Total AliphaticEPH	Total AliphaticEPH	219000			5730	24300	mg/kg	
Total EPH	Total EPH	219000			5730	24300	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
FG016500.D	10	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	186000	E	53.9	237	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4550	E	69.8	118	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

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2982-01	Acq On:	02 Sep 2025 15:41
Client Sample ID:	MOO-25-0237	Operator:	YP\AJ
Data file:	FG016500.D	Misc:	
Instrument:	FID_G	ALS Vial:	63
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	524090	4.567	300	ug/ml
Aliphatic C12-C16	6.932	10.390	225306541	1920	200	ug/ml
Aliphatic C16-C21	10.391	13.780	3037776945	25900	300	ug/ml
Aliphatic C21-C28	13.781	17.465	2172537162	19400	400	ug/ml
Aliphatic C28-C40	17.466	22.506	104810239	1150	600	ug/ml
Aliphatic EPH	3.289	22.506	5540954977	48400		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	3.289	17.465	5436144738	47200	1200	ug/ml