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

Report of Analysis

Client:	PSEG			Date Collected:	09/10/25
Project:	Moorestown HQ			Date Received:	09/10/25
Client Sample ID:	MOO-25-0259			SDG No.:	Q3075
Lab Sample ID:	Q3075-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	5.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/11/25 10:00	09/11/25 20:13	PB169650

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	157		1	6.97	11.8	mg/kg	FE055779.D
Aliphatic C9-C28	Aliphatic C9-C28	302		1	5.38	23.6	mg/kg	FE055779.D
Total AliphaticEPH	Total AliphaticEPH	459			12.3	35.4	mg/kg	
Total EPH	Total EPH	459			12.3	35.4	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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Client Sample ID:	MOO-25-0259		SDG No.:	Q3075	
Lab Sample ID:	Q3075-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	5.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055779.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	302		5.38	23.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	157		6.97	11.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.0		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3075-06	Acq On:	11 Sep 2025 20:13
Client Sample ID:	MOO-25-0259	Operator:	YP\AJ
Data file:	FE055779.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.946	2567360	19.994	300	ug/ml
Aliphatic C12-C16	6.947	10.398	2823309	20.899	200	ug/ml
Aliphatic C16-C21	10.399	13.776	66597268	461.785	300	ug/ml
Aliphatic C21-C28	13.777	17.448	38293960	267.349	400	ug/ml
Aliphatic C28-C40	17.449	22.459	55077973	399.928	600	ug/ml
Aliphatic EPH	3.313	22.459	165359870	1170		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	7156954	43.56		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	5748750	45.97		ug/ml
Aliphatic C9-C28	3.313	17.448	110281897	770.027	1200	ug/ml