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-25-0244-0248	SDG No.:	Q2982
Lab Sample ID:	Q2982-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.04 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	09/02/25 16:11	PB169491

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	1.37	2.32	mg/kg	FG016501.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	1.06	4.64	mg/kg	FG016501.D
Total AliphaticEPH	Total AliphaticEPH	21.4			2.43	6.96	mg/kg	
Total EPH	Total EPH	21.4			2.43	6.96	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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Analytical Method:	NJEPH	% Solid:	86.1
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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016501.D	1	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.9		40 - 140	82%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2982-03	Acq On:	02 Sep 2025 16:11
Client Sample ID:	MOO-25-0244-0248	Operator:	YP\AJ
Data file:	FG016501.D	Misc:	
Instrument:	FID_G	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	328190	2.86	300	ug/ml
Aliphatic C12-C16	6.932	10.390	1024056	8.725	200	ug/ml
Aliphatic C16-C21	10.391	13.780	10704474	91.122	300	ug/ml
Aliphatic C21-C28	13.781	17.465	3198649	28.613	400	ug/ml
Aliphatic C28-C40	17.466	22.506	13169641	144.905	600	ug/ml
Aliphatic EPH	3.289	22.506	28425010	276.226		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	5416347	40.91		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4424546	43.96		ug/ml
Aliphatic C9-C28	3.289	17.465	15255369	131.32	1200	ug/ml