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

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP7	SDG No.:	Q2971
Lab Sample ID:	Q2971-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/28/25 08:55	08/28/25 22:41	PB169432

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.07		1	1.29	2.18	mg/kg	FE055569.D
Aliphatic C9-C28	Aliphatic C9-C28	6.38		1	0.99	4.37	mg/kg	FE055569.D
Total AliphaticEPH	Total AliphaticEPH	11.4			2.28	6.55	mg/kg	
Total EPH	Total EPH	11.4			2.28	6.55	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
FE055569.D	1	08/28/25	08/28/25	PB169432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.38		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.07		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-25	Acq On:	28 Aug 2025 22:41
Client Sample ID:	TP7	Operator:	YP\AJ
Data file:	FE055569.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	500023	3.894	300	ug/ml
Aliphatic C12-C16	6.949	10.400	787889	5.832	200	ug/ml
Aliphatic C16-C21	10.401	13.779	9678973	67.114	300	ug/ml
Aliphatic C21-C28	13.780	17.450	1528474	10.671	400	ug/ml
Aliphatic C28-C40	17.451	22.465	9601047	69.714	600	ug/ml
Aliphatic EPH	3.314	22.465	22096406	157.226		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	4849079	29.52		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3883503	31.06		ug/ml
Aliphatic C9-C28	3.314	17.450	12495359	87.511	1200	ug/ml