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:	TP1	SDG No.:	Q2971
Lab Sample ID:	Q2971-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.09 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 21:10	PB169432

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.80		1	1.29	2.19	mg/kg	FE055566.D
Aliphatic C9-C28	Aliphatic C9-C28	2.23	J	1	1.00	4.39	mg/kg	FE055566.D
Total AliphaticEPH	Total AliphaticEPH	6.03	J		2.29	6.58	mg/kg	
Total EPH	Total EPH	6.03	J		2.29	6.58	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
FE055566.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		2.23	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.80		1.29	2.19	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		43.0		40 - 140	86%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-07	Acq On:	28 Aug 2025 21:10
Client Sample ID:	TP1	Operator:	YP\AJ
Data file:	FE055566.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	550607	4.288	300	ug/ml
Aliphatic C12-C16	6.949	10.400	899541	6.659	200	ug/ml
Aliphatic C16-C21	10.401	13.779	1140352	7.907	300	ug/ml
Aliphatic C21-C28	13.780	17.450	1671805	11.672	400	ug/ml
Aliphatic C28-C40	17.451	22.465	7152275	51.934	600	ug/ml
Aliphatic EPH	3.314	22.465	11414580	82.459		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	7067035	43.02		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5631294	45.03		ug/ml
Aliphatic C9-C28	3.314	17.450	4262305	30.526	1200	ug/ml