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:	TP5-D	SDG No.:	Q2971
Lab Sample ID:	Q2971-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 08:12	08/29/25 15:12	PB169458

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.79		1	1.31	2.22	mg/kg	FG016479.D
Aliphatic C9-C28	Aliphatic C9-C28	7.96		1	1.01	4.44	mg/kg	FG016479.D
Total AliphaticEPH	Total AliphaticEPH	17.8			2.32	6.66	mg/kg	
Total EPH	Total EPH	17.8			2.32	6.66	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:	TP5-D			SDG No.:	Q2971
Lab Sample ID:	Q2971-17			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.9
Sample Wt/Vol:	30.03	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
FG016479.D	1	08/29/25	08/29/25	PB169458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.96		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.79		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.6		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.1		40 - 140	86%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-17	Acq On:	29 Aug 2025 15:12
Client Sample ID:	TP5-D	Operator:	YP\AJ
Data file:	FG016479.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.290	6.934	695148	6.058	300	ug/ml
Aliphatic C12-C16	6.935	10.394	1143301	9.741	200	ug/ml
Aliphatic C16-C21	10.395	13.784	3903247	33.226	300	ug/ml
Aliphatic C21-C28	13.785	17.470	6526823	58.386	400	ug/ml
Aliphatic C28-C40	17.471	22.519	12014902	132.2	600	ug/ml
Aliphatic EPH	3.290	22.519	24283421	239.611		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	5712443	43.15		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	4492849	44.63		ug/ml
Aliphatic C9-C28	3.290	17.470	12268519	107.411	1200	ug/ml