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:	TP3-B	SDG No.:	Q2970
Lab Sample ID:	Q2970-33	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.1 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 19:09	PB169432

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.02		1	1.35	2.29	mg/kg	FE055562.D
Aliphatic C9-C28	Aliphatic C9-C28	4.87		1	1.04	4.59	mg/kg	FE055562.D
Total AliphaticEPH	Total AliphaticEPH	8.89			2.39	6.88	mg/kg	
Total EPH	Total EPH	8.89			2.39	6.88	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
FE055562.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	4.87		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.02		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2970-33	Acq On:	28 Aug 2025 19:09
Client Sample ID:	TP3-B	Operator:	YP\AJ
Data file:	FE055562.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	3.314	6.948	524806	4.087	300	ug/ml
Aliphatic C12-C16	6.949	10.400	870568	6.444	200	ug/ml
Aliphatic C16-C21	10.401	13.779	6391086	44.316	300	ug/ml
Aliphatic C21-C28	13.780	17.450	1257477	8.779	400	ug/ml
Aliphatic C28-C40	17.451	22.465	7243030	52.593	600	ug/ml
Aliphatic EPH	3.314	22.465	16286967	116.219		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5618417	34.2		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4382402	35.05		ug/ml
Aliphatic C9-C28	3.314	17.450	9043937	63.626	1200	ug/ml