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:	TP2	SDG No.:	Q2971
Lab Sample ID:	Q2971-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
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 20:40	PB169432

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.33		1	1.28	2.18	mg/kg	FE055565.D
Aliphatic C9-C28	Aliphatic C9-C28	2.07	J	1	0.99	4.36	mg/kg	FE055565.D
Total AliphaticEPH	Total AliphaticEPH	5.40	J		2.27	6.54	mg/kg	
Total EPH	Total EPH	5.40	J		2.27	6.54	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055565.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		2.07	J	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.33		1.28	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.5		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-01	Acq On:	28 Aug 2025 20:40
Client Sample ID:	TP2	Operator:	YP\AJ
Data file:	FE055565.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	655483	5.105	300	ug/ml
Aliphatic C12-C16	6.949	10.400	996512	7.376	200	ug/ml
Aliphatic C16-C21	10.401	13.779	931538	6.459	300	ug/ml
Aliphatic C21-C28	13.780	17.450	1368497	9.554	400	ug/ml
Aliphatic C28-C40	17.451	22.465	6318478	45.879	600	ug/ml
Aliphatic EPH	3.314	22.465	10270508	74.374		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5988609	36.45		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	4825422	38.59		ug/ml
Aliphatic C9-C28	3.314	17.450	3952030	28.494	1200	ug/ml