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:	TP10	SDG No.:	Q2970
Lab Sample ID:	Q2970-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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 15:36	PB169432

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1	1.33	2.25	mg/kg	FE055555.D
Aliphatic C9-C28	Aliphatic C9-C28	3.20	J	1	1.02	4.51	mg/kg	FE055555.D
Total AliphaticEPH	Total AliphaticEPH	14.6			2.36	6.76	mg/kg	
Total EPH	Total EPH	14.6			2.36	6.76	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
FE055555.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		3.20	J	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		11.4		1.33	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2970-01	Acq On:	28 Aug 2025 15:36
Client Sample ID:	TP10	Operator:	YP\AJ
Data file:	FE055555.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	712440	5.548	300	ug/ml
Aliphatic C12-C16	6.949	10.400	1012774	7.497	200	ug/ml
Aliphatic C16-C21	10.401	13.779	1700609	11.792	300	ug/ml
Aliphatic C21-C28	13.780	17.450	2528128	17.65	400	ug/ml
Aliphatic C28-C40	17.451	22.465	20992987	152.433	600	ug/ml
Aliphatic EPH	3.314	22.465	26946938	194.92		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	6305633	38.38		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4867525	38.93		ug/ml
Aliphatic C9-C28	3.314	17.450	5953951	42.487	1200	ug/ml