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:	TP6-A	SDG No.:	Q2970
Lab Sample ID:	Q2970-26	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
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 10:00	08/29/25 10:17	PB169430

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.30		1	1.27	2.16	mg/kg	FE055590.D
Aliphatic C9-C28	Aliphatic C9-C28	2.08	J	1	0.98	4.32	mg/kg	FE055590.D
Total AliphaticEPH	Total AliphaticEPH	5.38	J		2.25	6.48	mg/kg	
Total EPH	Total EPH	5.38	J		2.25	6.48	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
FE055590.D	1	08/28/25	08/29/25	PB169430

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.08	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.30		1.27	2.16	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.3		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2970-26	Acq On:	29 Aug 2025 10:17
Client Sample ID:	TP6-A	Operator:	YP\AJ
Data file:	FE055590.D	Misc:	
Instrument:	FID_E	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	641359	4.995	300	ug/ml
Aliphatic C12-C16	6.948	10.399	973148	7.203	200	ug/ml
Aliphatic C16-C21	10.400	13.777	887933	6.157	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1523443	10.636	400	ug/ml
Aliphatic C28-C40	17.449	22.462	6317022	45.869	600	ug/ml
Aliphatic EPH	3.313	22.462	10342905	74.86		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5142872	31.3		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4114757	32.91		ug/ml
Aliphatic C9-C28	3.313	17.448	4025883	28.991	1200	ug/ml