

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP10-C	SDG No.:	Q2970
Lab Sample ID:	Q2970-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.01 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	08/28/25 22:22	PB169430

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	1.30	2.21	mg/kg FG016451.D
Aliphatic C9-C28	Aliphatic C9-C28	10.9		1	1.01	4.41	mg/kg FG016451.D
Total AliphaticEPH	Total AliphaticEPH	21.2			2.31	6.62	mg/kg
Total EPH	Total EPH	21.2			2.31	6.62	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016451.D	1	08/28/25	08/28/25	PB169430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.9		1.01	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2970-04	Acq On:	28 Aug 2025 22:22
Client Sample ID:	TP10-C	Operator:	YP\AJ
Data file:	FG016451.D	Misc:	
Instrument:	FID_G	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.292	6.936	432355	3.768	300	ug/ml
Aliphatic C12-C16	6.937	10.396	1013488	8.635	200	ug/ml
Aliphatic C16-C21	10.397	13.787	6674960	56.821	300	ug/ml
Aliphatic C21-C28	13.788	17.474	8815435	78.858	400	ug/ml
Aliphatic C28-C40	17.475	22.524	12660996	139.309	600	ug/ml
Aliphatic EPH	3.292	22.524	29597234	287.39		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	3671813	27.74		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3016436	29.97		ug/ml
Aliphatic C9-C28	3.292	17.474	16936238	148.082	1200	ug/ml