

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP9-C	SDG No.:	Q2970
Lab Sample ID:	Q2970-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/28/25 10:00	08/29/25 3:17	PB169430

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.31		1	1.32	2.25	mg/kg FG016461.D
Aliphatic C9-C28	Aliphatic C9-C28	8.31		1	1.02	4.49	mg/kg FG016461.D
Total AliphaticEPH	Total AliphaticEPH	15.6			2.34	6.74	mg/kg
Total EPH	Total EPH	15.6			2.34	6.74	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

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP9-C	SDG No.:	Q2970
Lab Sample ID:	Q2970-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016461.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	8.31		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.31		1.32	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2970-22	Acq On:	29 Aug 2025 03:17
Client Sample ID:	TP9-C	Operator:	YP\AJ
Data file:	FG016461.D	Misc:	
Instrument:	FID_G	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.292	6.936	433274	3.776	300	ug/ml
Aliphatic C12-C16	6.937	10.396	1146163	9.765	200	ug/ml
Aliphatic C16-C21	10.397	13.787	7379308	62.816	300	ug/ml
Aliphatic C21-C28	13.788	17.474	3878244	34.693	400	ug/ml
Aliphatic C28-C40	17.475	22.524	8879736	97.704	600	ug/ml
Aliphatic EPH	3.292	22.524	21716725	208.754		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4530411	34.22		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	3663088	36.39		ug/ml
Aliphatic C9-C28	3.292	17.474	12836989	111.05	1200	ug/ml