

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP4-B	SDG No.:	Q2971
Lab Sample ID:	Q2971-33	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
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
08/29/25 09:45	08/29/25 20:37	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.65		1	1.27	2.16	mg/kg	FC069804.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	0.98	4.32	mg/kg	FC069804.D
Total AliphaticEPH	Total AliphaticEPH	17.8			2.25	6.48	mg/kg	
Total EPH	Total EPH	17.8			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069804.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C28	10.1		0.98	4.32	mg/kg
	Aliphatic C28-C40	7.65		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.2		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.9		40 - 140	100%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-33	Acq On:	29 Aug 2025 20:37
Client Sample ID:	TP4-B	Operator:	YP/AJ
Data file:	FC069804.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	436617	3.439	300	ug/ml
Aliphatic C12-C16	6.595	9.997	8521480	66.398	200	ug/ml
Aliphatic C16-C21	9.998	13.367	6559724	55.705	300	ug/ml
Aliphatic C21-C28	13.368	17.033	1607989	15.668	400	ug/ml
Aliphatic C28-C40	17.034	22.011	8670870	106.465	600	ug/ml
Aliphatic EPH	3.297	22.011	25796680	247.674		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	6465886	49.93		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	5187223	54.21		ug/ml
Aliphatic C9-C28	3.297	17.033	17125810	141.21	1200	ug/ml