

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	PB169462BL	SDG No.:	Q2971
Lab Sample ID:	PB169462BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02      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 17:32	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FC069800.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	0.91	3.99	mg/kg	FC069800.D
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	5.99	U		2.09	5.99	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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Sample Wt/Vol:	30.02      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 08:00	08/29/25 17:32	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069800.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FC069800.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	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.

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Lab Sample ID:	PB169462BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
FC069800.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169462BL	Acq On:	29 Aug 2025 17:32
Client Sample ID:	PB169462BL	Operator:	YP/AJ
Data file:	FC069800.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	0	0	300	ug/ml
Aliphatic C12-C16	6.595	9.997	0	0	200	ug/ml
Aliphatic C16-C21	9.998	13.367	0	0	300	ug/ml
Aliphatic C21-C28	13.368	17.033	0	0	400	ug/ml
Aliphatic C28-C40	17.034	22.011	0	0	600	ug/ml
Aliphatic EPH	3.297	22.011	0	0		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	5332262	41.18		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4185411	43.74		ug/ml
Aliphatic C9-C28	3.297	17.033	0	0	1200	ug/ml