

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	PB169458BSD	SDG No.:	Q2971
Lab Sample ID:	PB169458BSD	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 08:12	08/29/25 14:13	PB169458

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	131			2.09	5.99	mg/kg
Total EPH	Total EPH	131			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016283.D	1	08/29/25	08/29/25	PB169458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	96.1	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.1		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.5		40 - 140	79%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169458BSD	Acq On:	29 Aug 2025 14:13
Client Sample ID:	PB169458BSD	Operator:	YP\AJ
Data file:	FF016283.D	Misc:	
Instrument:	FID_F	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.870	30915772	260.969	300	ug/ml
Aliphatic C12-C16	6.871	10.313	40449848	329.682	200	ug/ml
Aliphatic C16-C21	10.314	13.684	48373048	377.551	300	ug/ml
Aliphatic C21-C28	13.685	17.353	59311771	472.217	400	ug/ml
Aliphatic C28-C40	17.354	22.318	53550780	526.68	600	ug/ml
Aliphatic EPH	3.232	22.318	232601219	1970		ug/ml
ortho-Terphenyl (SURR)	11.979	11.979	5710990	39.49		ug/ml
1-chlorooctadecane (SURR)	13.419	13.419	4460350	39.99		ug/ml
Aliphatic C9-C28	3.232	17.353	179050439	1440	1200	ug/ml