

Report of Analysis

Client:	PSEG	Date Collected:	12/03/25
Project:	Palisades Electric HQ	Date Received:	12/03/25
Client Sample ID:	20071	SDG No.:	Q3768
Lab Sample ID:	Q3768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85
Sample Wt/Vol:	10.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/04/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	33.2		1	4.16	3.52	7.05	mg/kg	FE057161.D	12/04/25 14:39	PB170824
Aliphatic C9-C28	Aliphatic C9-C28	65900		500	1600	3520	7050	mg/kg	FE057163.D	12/04/25 15:40	PB170824
Total AliphaticEPH	Total AliphaticEPH	65900			1610	3530	7060	mg/kg			
Total EPH	Total EPH	65900			1610	3530	7060	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 :		Prep Date	12/04/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	62600	E	1	3.21	9.52	14.1	mg/kg	12/04/25	PB170824
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1	4.16	5.64	7.05	mg/kg	12/04/25	PB170824
SURROGATES										
3383-33-2	1-chlorooctadecane (SURR)	0.00			40 - 140		0%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140		0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3768-01	Acq On:	04 Dec 2025 14:39
Client Sample ID:	20071	Operator:	YP\AJ
Data file:	FE057161.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.194	6.819	24095500	120.084	300	ug/ml
Aliphatic C12-C16	6.820	10.265	5142313990	25400	200	ug/ml
Aliphatic C16-C21	10.266	13.639	40463244110	204000	300	ug/ml
Aliphatic C21-C28	13.640	17.309	7352494865	37000	400	ug/ml
Aliphatic C28-C40	17.310	22.235	28248621	141.314	600	ug/ml
Aliphatic EPH	3.194	22.235	53010397086	267000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.194	17.309	52982148465	266000	1200	ug/ml