

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	Hackensack - Palisades Electric Division Sub HQ	Date Received:	10/30/25
Client Sample ID:	323	SDG No.:	Q3503
Lab Sample ID:	Q3503-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.4
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/31/25

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

Aliphatic C28-C40	Aliphatic C28-C40	56.7		10	12.1	20.5	mg/kg	FE056620.D	10/31/25 20:02	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	124		10	9.32	40.9	mg/kg	FE056620.D	10/31/25 20:02	PB170341
Total AliphaticEPH	Total AliphaticEPH	181			21.4	61.4	mg/kg			
Total EPH	Total EPH	181			21.4	61.4	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	124	10	9.32	40.9	mg/kg	10/31/25	PB170341	
Aliphatic C28-C40	Aliphatic C28-C40	56.7	10	12.1	20.5	mg/kg	10/31/25	PB170341	
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	1.37		40 - 140	27%	SPK: 50			
84-15-1	ortho-Terphenyl (SURR)	1.58		40 - 140	32%	SPK: 50			

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3503-03	Acq On:	31 Oct 2025 20:02
Client Sample ID:	323	Operator:	YP\AJ
Data file:	FE056620.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	96907	0.566	300	ug/ml
Aliphatic C12-C16	6.854	10.303	3574741	19.998	200	ug/ml
Aliphatic C16-C21	10.304	13.679	20320057	108.952	300	ug/ml
Aliphatic C21-C28	13.680	17.352	10071245	52.246	400	ug/ml
Aliphatic C28-C40	17.353	22.305	13236949	83.087	600	ug/ml
Aliphatic EPH	3.227	22.305	47299899	264.849		ug/ml
ortho-Terphenyl (SURR)	11.969	11.969	329516	1.58		ug/ml
1-chlorooctadecane (SURR)	13.409	13.409	221146	1.37		ug/ml
Aliphatic C9-C28	3.227	17.352	34062950	181.762	1200	ug/ml