

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:	324	SDG No.:	Q3503
Lab Sample ID:	Q3503-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.06 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1110		10	70.0	118	mg/kg	FE056621.D	10/31/25 20:32	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	4570		10	53.9	237	mg/kg	FE056621.D	10/31/25 20:32	PB170341
Total AliphaticEPH	Total AliphaticEPH	5680			124	355	mg/kg			
Total EPH	Total EPH	5680			124	355	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	10/31/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	4570	10		53.9	237	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	1110	10		70.0	118	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	5.12			40 - 140	102%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	3.92			40 - 140	78%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3503-05	Acq On:	31 Oct 2025 20:32
Client Sample ID:	324	Operator:	YP\AJ
Data file:	FE056621.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	5345929	31.233	300	ug/ml
Aliphatic C12-C16	6.854	10.303	2703335	15.123	200	ug/ml
Aliphatic C16-C21	10.304	13.679	34363826	184.251	300	ug/ml
Aliphatic C21-C28	13.680	17.352	178431196	925.636	400	ug/ml
Aliphatic C28-C40	17.353	22.305	44889142	281.764	600	ug/ml
Aliphatic EPH	3.227	22.305	265733428	1440		ug/ml
ortho-Terphenyl (SURR)	11.968	11.968	818681	3.92		ug/ml
1-chlorooctadecane (SURR)	13.409	13.409	824458	5.12		ug/ml
Aliphatic C9-C28	3.227	17.352	220844286	1160	1200	ug/ml