

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	Irvington - Metro Electric Division Sub HQ	Date Received:	10/30/25
Client Sample ID:	461	SDG No.:	Q3501
Lab Sample ID:	Q3501-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.07 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	668		10	69.8	118	mg/kg	FE056618.D	10/31/25 19:01	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	130000		500	2690	11800	mg/kg	FE056632.D	11/03/25 12:55	PB170341
Total AliphaticEPH	Total AliphaticEPH	131000			2760	12000	mg/kg			
Total EPH	Total EPH	131000			2760	12000	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	138000	E	10	53.9	237	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	668		10	69.8	118	mg/kg	10/31/25	PB170341
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:	Q3501-01	Acq On:	31 Oct 2025 19:01
Client Sample ID:	461	Operator:	YP\AJ
Data file:	FE056618.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	1945350	11.366	300	ug/ml
Aliphatic C12-C16	6.854	10.303	403107617	2260	200	ug/ml
Aliphatic C16-C21	10.304	13.679	4300315132	23100	300	ug/ml
Aliphatic C21-C28	13.680	17.352	1839465906	9540	400	ug/ml
Aliphatic C28-C40	17.353	22.305	26992086	169.426	600	ug/ml
Aliphatic EPH	3.227	22.305	6571826091	35000		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	3.227	17.352	6544834005	34900	1200	ug/ml