

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Livingston Pole Replacement	Date Received:	11/21/25
Client Sample ID:	LI-1-112125-E2	SDG No.:	Q3709
Lab Sample ID:	Q3709-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.21		1	1.35	2.28	mg/kg	FE057007.D	11/24/25 19:13	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	4.65		1	1.04	4.56	mg/kg	FE057007.D	11/24/25 19:13	PB170707
Total AliphaticEPH	Total AliphaticEPH	12.9			2.39	6.84	mg/kg			
Total EPH	Total EPH	12.9			2.39	6.84	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 Date	11/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	4.65	1		1.04	4.56	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	8.21	1		1.35	2.28	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.7			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.0			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3709-02	Acq On:	24 Nov 2025 19:13
Client Sample ID:	LI-1-112125-E2	Operator:	YP\AJ
Data file:	FE057007.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	486332	2.841	300	ug/ml
Aliphatic C12-C16	6.830	10.275	845008	4.727	200	ug/ml
Aliphatic C16-C21	10.276	13.649	3248992	17.42	300	ug/ml
Aliphatic C21-C28	13.650	17.319	6940102	36.003	400	ug/ml
Aliphatic C28-C40	17.320	22.252	17191064	107.906	600	ug/ml
Aliphatic EPH	3.204	22.252	28711498	168.898		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	5016535	24.01		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3339174	20.73		ug/ml
Aliphatic C9-C28	3.204	17.319	11520434	60.991	1200	ug/ml