

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Lawrenceville HQ	Date Received:	11/07/25
Client Sample ID:	B-LAW-25-0167-0175-COMP	SDG No.:	Q3593
Lab Sample ID:	Q3593-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.6
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	61.9		5	7.40	12.5	mg/kg	FE056768.D	11/12/25 10:49	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	9030		200	227	1000	mg/kg	FE056769.D	11/12/25 11:19	PB170479
Total AliphaticEPH	Total AliphaticEPH	9090			235	1010	mg/kg			
Total EPH	Total EPH	9090			235	1010	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	11/11/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	9210	E	1	1.14	5.01	mg/kg	11/12/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	68.4	E	1	1.48	2.51	mg/kg	11/12/25	PB170479
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:	Q3593-06	Acq On:	12 Nov 2025 02:46
Client Sample ID:	B-LAW-25-0167-0175-COI	Operator:	YP\AJ
Data file:	FE056753.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	10526596	61.501	300	ug/ml
Aliphatic C12-C16	6.846	10.294	3607888782	20200	200	ug/ml
Aliphatic C16-C21	10.295	13.672	12407077149	66500	300	ug/ml
Aliphatic C21-C28	13.673	17.343	4502416914	23400	400	ug/ml
Aliphatic C28-C40	17.344	22.291	130255048	817.596	600	ug/ml
Aliphatic EPH	3.220	22.291	20658164489	111000		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	3.220	17.343	20527909441	110000	1200	ug/ml