

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Lawrenceville HQ	Date Received:	11/07/25
Client Sample ID:	A-LAW-25-0167-0175-COMP	SDG No.:	Q3593
Lab Sample ID:	Q3593-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.8
Sample Wt/Vol:	30.08 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	87.6		5	7.37	12.5	mg/kg	FE056766.D	11/12/25 9:49	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	14300		200	227	997	mg/kg	FE056767.D	11/12/25 10:19	PB170479
Total AliphaticEPH	Total AliphaticEPH	14300			234	1010	mg/kg			
Total EPH	Total EPH	14300			234	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	13900	E	1	1.14	5.00	mg/kg	11/12/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	99.2	E	1	1.47	2.50	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:	Q3593-04	Acq On:	12 Nov 2025 02:16
Client Sample ID:	A-LAW-25-0167-0175-COI	Operator:	YP\AJ
Data file:	FE056752.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	16542698	96.649	300	ug/ml
Aliphatic C12-C16	6.846	10.294	4872387966	27300	200	ug/ml
Aliphatic C16-C21	10.295	13.672	19448756857	104000	300	ug/ml
Aliphatic C21-C28	13.673	17.343	6869458576	35600	400	ug/ml
Aliphatic C28-C40	17.344	22.291	189626587	1190	600	ug/ml
Aliphatic EPH	3.220	22.291	31396772684	168000		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	31207146097	167000	1200	ug/ml