

Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	PSEG - Lawrenceville HQ	Date Received:	11/13/25
Client Sample ID:	LAW-25-0179-0180	SDG No.:	Q3640
Lab Sample ID:	Q3640-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	112		10	12.8	21.7	mg/kg	FE056898.D	11/18/25 12:47	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	5270		100	98.7	432	mg/kg	FE056901.D	11/18/25 14:35	PB170578
Total AliphaticEPH	Total AliphaticEPH	5380			112	454	mg/kg			
Total EPH	Total EPH	5380			112	454	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6040	E	1	0.99	4.35	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	124	E	1	1.28	2.17	mg/kg	11/17/25	PB170578
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:	Q3640-02	Acq On:	17 Nov 2025 17:10
Client Sample ID:	LAW-25-0179-0180	Operator:	YP\AJ
Data file:	FE056875.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	12311918	71.931	300	ug/ml
Aliphatic C12-C16	6.837	10.281	1827228826	10200	200	ug/ml
Aliphatic C16-C21	10.282	13.655	9430078339	50600	300	ug/ml
Aliphatic C21-C28	13.656	17.323	4360785985	22600	400	ug/ml
Aliphatic C28-C40	17.324	22.257	274010187	1720	600	ug/ml
Aliphatic EPH	3.213	22.257	15904415255	85200		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	3.213	17.323	15630405068	83500	1200	ug/ml