

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	Lawrenceville HQ	Date Received:	10/29/25
Client Sample ID:	LAW-25-0151	SDG No.:	Q3490
Lab Sample ID:	Q3490-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	67200		500	3530	5980	mg/kg	FE056608.D	10/31/25 13:27	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	55800		500	2720	12000	mg/kg	FE056608.D	10/31/25 13:27	PB170326
Total AliphaticEPH	Total AliphaticEPH	123000			6240	17900	mg/kg			
Total EPH	Total EPH	123000			6240	17900	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	48700	E	50	272	1190	mg/kg	10/30/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	58600	E	50	352	597	mg/kg	10/30/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.7			40 - 140	3466%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.87			40 - 140	87%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3490-01	Acq On:	30 Oct 2025 21:00
Client Sample ID:	LAW-25-0151	Operator:	YP\AJ
Data file:	FE056595.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.857	2284124	13.345	300	ug/ml
Aliphatic C12-C16	6.858	10.306	5656839	31.646	200	ug/ml
Aliphatic C16-C21	10.307	13.683	24161151	129.547	300	ug/ml
Aliphatic C21-C28	13.684	17.354	437520083	2270	400	ug/ml
Aliphatic C28-C40	17.355	22.310	468274902	2940	600	ug/ml
Aliphatic EPH	3.232	22.310	937897099	5380		ug/ml
ortho-Terphenyl (SURR)	11.975	11.975	180792	0.87		ug/ml
1-chlorooctadecane (SURR)	13.406	13.406	5583768	34.66		ug/ml
Aliphatic C9-C28	3.232	17.354	469622197	2440	1200	ug/ml