

Report of Analysis

Client:	PSEG	Date Collected:	10/10/25
Project:	PSEG 65 Scotland Rd	Date Received:	10/10/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q3326
Lab Sample ID:	Q3326-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000uL
		Prep Date :	10/13/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.33	2.26	mg/kg	FE056311.D	10/13/25 18:34	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	2.31	J	1	1.03	4.52	mg/kg	FE056311.D	10/13/25 18:34	PB170068
Total AliphaticEPH	Total AliphaticEPH	19.8			2.36	6.78	mg/kg			
Total EPH	Total EPH	19.8			2.36	6.78	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	2.31	J	1	1.03	4.52	mg/kg	10/13/25	PB170068
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.33	2.26	mg/kg	10/13/25	PB170068
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	52.2			40 - 140	104%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	47.8			40 - 140	96%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3326-02	Acq On:	13 Oct 2025 18:34
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE056311.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	3.303	6.939	458639	3.275	300	ug/ml
Aliphatic C12-C16	6.940	10.389	1341628	8.747	200	ug/ml
Aliphatic C16-C21	10.390	13.768	926065	5.583	300	ug/ml
Aliphatic C21-C28	13.769	17.439	1938306	13.05	400	ug/ml
Aliphatic C28-C40	17.440	22.444	31649775	232.289	600	ug/ml
Aliphatic EPH	3.303	22.444	36314413	262.944		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	8975735	47.83		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	7287388	52.21		ug/ml
Aliphatic C9-C28	3.303	17.439	4664638	30.655	1200	ug/ml