

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	SDG No.:	Q3326
Lab Sample ID:	Q3326-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.09 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	24.6		1	1.33	2.26	mg/kg	FE056310.D	10/13/25 18:03	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	2.33	J	1	1.03	4.52	mg/kg	FE056310.D	10/13/25 18:03	PB170068
Total AliphaticEPH	Total AliphaticEPH	26.9			2.36	6.78	mg/kg			
Total EPH	Total EPH	26.9			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	2.33	J	1	1.03	4.52	mg/kg	10/13/25	PB170068
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1	1.33	2.26	mg/kg	10/13/25	PB170068
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	41.5			40 - 140	83%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.4			40 - 140	79%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3326-01	Acq On:	13 Oct 2025 18:03
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE056310.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.939	392687	2.804	300	ug/ml
Aliphatic C12-C16	6.940	10.389	1147134	7.479	200	ug/ml
Aliphatic C16-C21	10.390	13.768	973195	5.867	300	ug/ml
Aliphatic C21-C28	13.769	17.439	2191885	14.757	400	ug/ml
Aliphatic C28-C40	17.440	22.444	44462497	326.326	600	ug/ml
Aliphatic EPH	3.303	22.444	49167398	357.234		ug/ml
ortho-Terphenyl (SURR)	12.067	12.067	7396636	39.42		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	5787049	41.46		ug/ml
Aliphatic C9-C28	3.303	17.439	4704901	30.907	1200	ug/ml