

Report of Analysis

Client:	PSEG	Date Collected:	10/10/25
Project:	PSEG 65 Scotland Rd	Date Received:	10/10/25
Client Sample ID:	TP-2	SDG No.:	Q3326
Lab Sample ID:	Q3326-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.03 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	14.2		1	1.34	2.27	mg/kg	FE056312.D	10/13/25 19:04	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	4.58		1	1.03	4.53	mg/kg	FE056312.D	10/13/25 19:04	PB170068
Total AliphaticEPH	Total AliphaticEPH	18.8			2.37	6.80	mg/kg			
Total EPH	Total EPH	18.8			2.37	6.80	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	4.58	1		1.03	4.53	mg/kg	10/13/25	PB170068
Aliphatic C28-C40	Aliphatic C28-C40	14.2	1		1.34	2.27	mg/kg	10/13/25	PB170068
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	48.4			40 - 140	97%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	45.3			40 - 140	91%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3326-05	Acq On:	13 Oct 2025 19:04
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE056312.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.939	490006	3.499	300	ug/ml
Aliphatic C12-C16	6.940	10.389	1413216	9.214	200	ug/ml
Aliphatic C16-C21	10.390	13.768	2246947	13.546	300	ug/ml
Aliphatic C21-C28	13.769	17.439	5112541	34.422	400	ug/ml
Aliphatic C28-C40	17.440	22.444	25642813	188.201	600	ug/ml
Aliphatic EPH	3.303	22.444	34905523	248.882		ug/ml
ortho-Terphenyl (SURR)	12.067	12.067	8500169	45.3		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	6759454	48.43		ug/ml
Aliphatic C9-C28	3.303	17.439	9262710	60.681	1200	ug/ml