

Report of Analysis

Client:	PSEG	Date Collected:	10/27/25
Project:	Somerset HQ	Date Received:	10/27/25
Client Sample ID:	COMP-5	SDG No.:	Q3472
Lab Sample ID:	Q3472-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1770		10	70.4	119	mg/kg	FE056547.D	10/28/25 18:56	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	10400		50	271	1190	mg/kg	FE056559.D	10/29/25 10:36	PB170266
Total AliphaticEPH	Total AliphaticEPH	12100			342	1310	mg/kg			
Total EPH	Total EPH	12100			342	1310	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	10800	E	10	54.3	239	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	1770		10	70.4	119	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	206			40 - 140	4120%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	7.49			40 - 140	150%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3472-12	Acq On:	28 Oct 2025 18:56
Client Sample ID:	COMP-5	Operator:	YP\AJ
Data file:	FE056547.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.240	6.866	19842137	120.199	300	ug/ml
Aliphatic C12-C16	6.867	10.314	148432941	870.342	200	ug/ml
Aliphatic C16-C21	10.315	13.690	202619878	1130	300	ug/ml
Aliphatic C21-C28	13.691	17.361	107388450	599.637	400	ug/ml
Aliphatic C28-C40	17.362	22.315	61721313	444.669	600	ug/ml
Aliphatic EPH	3.240	22.315	540004719	3170		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	1530930	7.49		ug/ml
1-chlorooctadecane (SURR)	13.426	13.426	31430263	205.99		ug/ml
Aliphatic C9-C28	3.240	17.361	478283406	2720	1200	ug/ml