

Report of Analysis

Client:	PSEG	Date Collected:	10/27/25
Project:	Somerset HQ	Date Received:	10/27/25
Client Sample ID:	COMP-1	SDG No.:	Q3472
Lab Sample ID:	Q3472-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	428		10	70.5	119	mg/kg	FE056543.D	10/28/25 16:55	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	258		1	5.44	23.9	mg/kg	FE056555.D	10/29/25 8:35	PB170266
Total AliphaticEPH	Total AliphaticEPH	686			75.9	143	mg/kg			
Total EPH	Total EPH	686			75.9	143	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

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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	258		1	5.44	23.9	mg/kg	10/29/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	388	E	1	7.05	12.0	mg/kg	10/29/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.6			40 - 140	67%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.4			40 - 140	65%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3472-04	Acq On:	29 Oct 2025 08:35
Client Sample ID:	COMP-1	Operator:	YP\AJ
Data file:	FE056555.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.863	2790538	16.904	300	ug/ml
Aliphatic C12-C16	6.864	10.312	15954467	93.55	200	ug/ml
Aliphatic C16-C21	10.313	13.688	34553743	193.429	300	ug/ml
Aliphatic C21-C28	13.689	17.359	61700802	344.526	400	ug/ml
Aliphatic C28-C40	17.360	22.313	135221133	974.196	600	ug/ml
Aliphatic EPH	3.236	22.313	250220683	1620		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	6617255	32.39		ug/ml
1-chlorooctadecane (SURR)	13.424	13.424	5125884	33.59		ug/ml
Aliphatic C9-C28	3.236	17.359	114999550	648.409	1200	ug/ml