

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	PSEG Onyx- STL	Date Received:	10/17/25
Client Sample ID:	TP-5-EPH	SDG No.:	Q3374
Lab Sample ID:	Q3374-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.9
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	2.35	U	1	1.39	2.35	mg/kg	FE056406.D	10/21/25 8:51	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	4.71	U	1	1.07	4.71	mg/kg	FE056406.D	10/21/25 8:51	PB170169
Total AliphaticEPH	Total AliphaticEPH	7.07	U		2.46	7.07	mg/kg			
Total EPH	Total EPH	7.07	U		2.46	7.07	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	0.000	U	1	1.07	4.71	mg/kg	10/21/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	2.35	U	1	1.39	2.35	mg/kg	10/21/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.5			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.2			40 - 140	74%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3374-06	Acq On:	21 Oct 2025 08:51
Client Sample ID:	TP-5-EPH	Operator:	YP\AJ
Data file:	FE056406.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.924	0	0	300	ug/ml
Aliphatic C12-C16	6.925	10.375	0	0	200	ug/ml
Aliphatic C16-C21	10.376	13.754	0	0	300	ug/ml
Aliphatic C21-C28	13.755	17.426	0	0	400	ug/ml
Aliphatic C28-C40	17.427	22.419	0	0	600	ug/ml
Aliphatic EPH	3.297	22.419	0	0		ug/ml
ortho-Terphenyl (SURR)	12.055	12.055	7594952	37.18		ug/ml
1-chlorooctadecane (SURR)	13.491	13.491	5265555	34.51		ug/ml
Aliphatic C9-C28	3.297	17.426	0	0	1200	ug/ml