

Report of Analysis

Client:	PSEG	Date Collected:	10/21/25
Project:	PSEG Onyx- STL	Date Received:	10/22/25
Client Sample ID:	TP-8-EPH	SDG No.:	Q3427
Lab Sample ID:	Q3427-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/23/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	1.32	2.24	mg/kg	FE056462.D	10/23/25 14:47	PB170229
Aliphatic C9-C28	Aliphatic C9-C28	13.9		1	1.02	4.48	mg/kg	FE056462.D	10/23/25 14:47	PB170229
Total AliphaticEPH	Total AliphaticEPH	28.6			2.34	6.72	mg/kg			
Total EPH	Total EPH	28.6			2.34	6.72	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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Aliphatic C9-C28	Aliphatic C9-C28	13.9	1		1.02	4.48	mg/kg	10/23/25	PB170229
Aliphatic C28-C40	Aliphatic C28-C40	14.7	1		1.32	2.24	mg/kg	10/23/25	PB170229
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.9			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.3			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3427-02	Acq On:	23 Oct 2025 14:47
Client Sample ID:	TP-8-EPH	Operator:	YP\AJ
Data file:	FE056462.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	576804	3.494	300	ug/ml
Aliphatic C12-C16	6.922	10.373	2606217	15.282	200	ug/ml
Aliphatic C16-C21	10.374	13.751	11578055	64.813	300	ug/ml
Aliphatic C21-C28	13.752	17.422	18316650	102.277	400	ug/ml
Aliphatic C28-C40	17.423	22.413	27265061	196.43	600	ug/ml
Aliphatic EPH	3.294	22.413	60342787	382.296		ug/ml
ortho-Terphenyl (SURR)	12.049	12.049	5584395	27.34		ug/ml
1-chlorooctadecane (SURR)	13.485	13.485	4875439	31.95		ug/ml
Aliphatic C9-C28	3.294	17.422	33077726	185.866	1200	ug/ml