

Report of Analysis

Client:	PSEG	Date Collected:	10/21/25
Project:	PSEG Onyx- STL	Date Received:	10/22/25
Client Sample ID:	TP-8	SDG No.:	Q3427
Lab Sample ID:	Q3427-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.04 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	19.9		1	1.31	2.21	mg/kg	FC070019.D	10/23/25 16:25	PB170229
Aliphatic C9-C28	Aliphatic C9-C28	30.5		1	1.01	4.43	mg/kg	FC070019.D	10/23/25 16:25	PB170229
Total AliphaticEPH	Total AliphaticEPH	50.4			2.32	6.64	mg/kg			
Total EPH	Total EPH	50.4			2.32	6.64	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

Report of Analysis

Client:	PSEG	Date Collected:	10/21/25
Project:	PSEG Onyx- STL	Date Received:	10/22/25
Client Sample ID:	TP-8	SDG No.:	Q3427
Lab Sample ID:	Q3427-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/23/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	30.5	1		1.01	4.43	mg/kg	10/23/25	PB170229
Aliphatic C28-C40	Aliphatic C28-C40	19.9	1		1.31	2.21	mg/kg	10/23/25	PB170229
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.0			40 - 140	80%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.8			40 - 140	62%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3427-01	Acq On:	23 Oct 2025 16:25
Client Sample ID:	TP-8	Operator:	YP/AJ
Data file:	FC070019.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.279	6.574	643704	4.446	300	ug/ml
Aliphatic C12-C16	6.575	9.975	3417970	20.869	200	ug/ml
Aliphatic C16-C21	9.976	13.343	25195989	155.583	300	ug/ml
Aliphatic C21-C28	13.344	17.007	34053822	231.435	400	ug/ml
Aliphatic C28-C40	17.008	21.965	29014136	269.649	600	ug/ml
Aliphatic EPH	3.279	21.965	92325621	681.981		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	5413150	30.83		ug/ml
1-chlorooctadecane (SURR)	13.079	13.079	5431313	40.01		ug/ml
Aliphatic C9-C28	3.279	17.007	63311485	412.333	1200	ug/ml