

Report of Analysis

Client:	PSEG	Date Collected:	10/23/25
Project:	PSEG Onyx- STL	Date Received:	10/24/25
Client Sample ID:	TP-11-EPH	SDG No.:	Q3451
Lab Sample ID:	Q3451-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.10		1	1.37	2.32	mg/kg	FE056515.D	10/27/25 15:48	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	4.64	U	1	1.06	4.64	mg/kg	FE056515.D	10/27/25 15:48	PB170258
Total AliphaticEPH	Total AliphaticEPH	9.10			2.43	6.96	mg/kg			
Total EPH	Total EPH	9.10			2.43	6.96	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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		Prep Date	10/27/25

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	1.06	4.64	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	9.10		1	1.37	2.32	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.8			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.8			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3451-02	Acq On:	27 Oct 2025 15:48
Client Sample ID:	TP-11-EPH	Operator:	YP\AJ
Data file:	FE056515.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.245	6.871	559162	3.387	300	ug/ml
Aliphatic C12-C16	6.872	10.320	876388	5.139	200	ug/ml
Aliphatic C16-C21	10.321	13.697	616763	3.453	300	ug/ml
Aliphatic C21-C28	13.698	17.368	1375835	7.682	400	ug/ml
Aliphatic C28-C40	17.369	22.326	16298886	117.425	600	ug/ml
Aliphatic EPH	3.245	22.326	19727034	137.086		ug/ml
ortho-Terphenyl (SURR)	11.990	11.990	5876439	28.77		ug/ml
1-chlorooctadecane (SURR)	13.428	13.428	4543753	29.78		ug/ml
Aliphatic C9-C28	3.245	17.368	3428148	19.661	1200	ug/ml