

Report of Analysis

Client:	PSEG	Date Collected:	10/23/25
Project:	PSEG Onyx- STL	Date Received:	10/24/25
Client Sample ID:	TP-12	SDG No.:	Q3451
Lab Sample ID:	Q3451-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.05 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	8.00		1	1.32	2.24	mg/kg	FC070050.D	10/27/25 16:17	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	1.67	J	1	1.02	4.48	mg/kg	FC070050.D	10/27/25 16:17	PB170258
Total AliphaticEPH	Total AliphaticEPH	9.67			2.34	6.72	mg/kg			
Total EPH	Total EPH	9.67			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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Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/27/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.67	J	1	1.02	4.48	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	8.00		1	1.32	2.24	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.8			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.8			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3451-05	Acq On:	27 Oct 2025 16:17
Client Sample ID:	TP-12	Operator:	YP/AJ
Data file:	FC070050.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	3.280	6.575	391318	2.703	300	ug/ml
Aliphatic C12-C16	6.576	9.977	808323	4.935	200	ug/ml
Aliphatic C16-C21	9.978	13.344	742025	4.582	300	ug/ml
Aliphatic C21-C28	13.345	17.008	1484053	10.086	400	ug/ml
Aliphatic C28-C40	17.009	21.965	11523981	107.1	600	ug/ml
Aliphatic EPH	3.280	21.965	14949700	129.406		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	5227628	29.77		ug/ml
1-chlorooctadecane (SURR)	13.079	13.079	4318525	31.81		ug/ml
Aliphatic C9-C28	3.280	17.008	3425719	22.306	1200	ug/ml