

Report of Analysis

Client:	PSEG	Date Collected:	10/23/25
Project:	PSEG Onyx- STL	Date Received:	10/24/25
Client Sample ID:	TP-11	SDG No.:	Q3451
Lab Sample ID:	Q3451-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07 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	8.70		1	1.31	2.22	mg/kg	FE056514.D	10/27/25 15:17	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	4.44	U	1	1.01	4.44	mg/kg	FE056514.D	10/27/25 15:17	PB170258
Total AliphaticEPH	Total AliphaticEPH	8.70			2.32	6.66	mg/kg			
Total EPH	Total EPH	8.70			2.32	6.66	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	1.01	4.44	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	8.70		1	1.31	2.22	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.0			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.5			40 - 140	61%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3451-01	Acq On:	27 Oct 2025 15:17
Client Sample ID:	TP-11	Operator:	YP\AJ
Data file:	FE056514.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.245	6.871	508744	3.082	300	ug/ml
Aliphatic C12-C16	6.872	10.320	865841	5.077	200	ug/ml
Aliphatic C16-C21	10.321	13.697	653098	3.656	300	ug/ml
Aliphatic C21-C28	13.698	17.368	1399874	7.817	400	ug/ml
Aliphatic C28-C40	17.369	22.326	16299103	117.426	600	ug/ml
Aliphatic EPH	3.245	22.326	19726660	137.058		ug/ml
ortho-Terphenyl (SURR)	11.990	11.990	6230650	30.5		ug/ml
1-chlorooctadecane (SURR)	13.429	13.429	4876131	31.96		ug/ml
Aliphatic C9-C28	3.245	17.368	3427557	19.632	1200	ug/ml