

Report of Analysis

Client:	PSEG	Date Collected:	10/23/25
Project:	PSEG Onyx- STL	Date Received:	10/23/25
Client Sample ID:	TP-10-EPH	SDG No.:	Q3439
Lab Sample ID:	Q3439-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1	1.29	2.19	mg/kg	FE056498.D	10/24/25 18:30	PB170247
Aliphatic C9-C28	Aliphatic C9-C28	1.55	J	1	1.00	4.39	mg/kg	FE056498.D	10/24/25 18:30	PB170247
Total AliphaticEPH	Total AliphaticEPH	14.5			2.29	6.58	mg/kg			
Total EPH	Total EPH	14.5			2.29	6.58	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.55	J	1	1.00	4.39	mg/kg	10/24/25	PB170247
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1	1.29	2.19	mg/kg	10/24/25	PB170247
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.1			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.4			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3439-06	Acq On:	24 Oct 2025 18:30
Client Sample ID:	TP-10-EPH	Operator:	YP\AJ
Data file:	FE056498.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.257	6.883	2238105	13.558	300	ug/ml
Aliphatic C12-C16	6.884	10.332	739902	4.338	200	ug/ml
Aliphatic C16-C21	10.333	13.709	595913	3.336	300	ug/ml
Aliphatic C21-C28	13.710	17.379	850600	4.75	400	ug/ml
Aliphatic C28-C40	17.380	22.345	24406930	175.839	600	ug/ml
Aliphatic EPH	3.257	22.345	28831450	201.821		ug/ml
ortho-Terphenyl (SURR)	11.997	11.997	5997009	29.36		ug/ml
1-chlorooctadecane (SURR)	13.436	13.436	4746967	31.11		ug/ml
Aliphatic C9-C28	3.257	17.379	4424520	25.982	1200	ug/ml