

Report of Analysis

Client:	PSEG	Date Collected:	10/22/25
Project:	PSEG Onyx- STL	Date Received:	10/23/25
Client Sample ID:	TP-9-EPH	SDG No.:	Q3439
Lab Sample ID:	Q3439-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.02 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	14.9		1	1.29	2.19	mg/kg	FE056496.D	10/24/25 17:30	PB170247
Aliphatic C9-C28	Aliphatic C9-C28	3.21	J	1	1.00	4.39	mg/kg	FE056496.D	10/24/25 17:30	PB170247
Total AliphaticEPH	Total AliphaticEPH	18.1			2.29	6.58	mg/kg			
Total EPH	Total EPH	18.1			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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.21	J	1	1.00	4.39	mg/kg	10/24/25	PB170247
Aliphatic C28-C40	Aliphatic C28-C40	14.9		1	1.29	2.19	mg/kg	10/24/25	PB170247
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	43.4			40 - 140	87%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.5			40 - 140	81%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3439-02	Acq On:	24 Oct 2025 17:30
Client Sample ID:	TP-9-EPH	Operator:	YP\AJ
Data file:	FE056496.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.257	6.883	2205586	13.361	300	ug/ml
Aliphatic C12-C16	6.884	10.332	1144885	6.713	200	ug/ml
Aliphatic C16-C21	10.333	13.709	1775344	9.938	300	ug/ml
Aliphatic C21-C28	13.710	17.379	2491314	13.911	400	ug/ml
Aliphatic C28-C40	17.380	22.345	28227319	203.363	600	ug/ml
Aliphatic EPH	3.257	22.345	35844448	247.286		ug/ml
ortho-Terphenyl (SURR)	11.999	11.999	8275079	40.51		ug/ml
1-chlorooctadecane (SURR)	13.438	13.438	6623884	43.41		ug/ml
Aliphatic C9-C28	3.257	17.379	7617129	43.923	1200	ug/ml