

Report of Analysis

Client:	PSEG	Date Collected:	10/25/25
Project:	PSEG Onyx- STL	Date Received:	10/27/25
Client Sample ID:	TP-13-EPH	SDG No.:	Q3469
Lab Sample ID:	Q3469-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.9
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	4.77		1	1.44	2.44	mg/kg	FC070067.D	10/28/25 18:01	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	3.65	J	1	1.11	4.88	mg/kg	FC070067.D	10/28/25 18:01	PB170266
Total AliphaticEPH	Total AliphaticEPH	8.42			2.55	7.32	mg/kg			
Total EPH	Total EPH	8.42			2.55	7.32	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	3.65	J	1	1.11	4.88	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	4.77		1	1.44	2.44	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	47.8			40 - 140	96%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.7			40 - 140	87%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-02	Acq On:	28 Oct 2025 18:01
Client Sample ID:	TP-13-EPH	Operator:	YP/AJ
Data file:	FC070067.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	428701	2.961	300	ug/ml
Aliphatic C12-C16	6.573	9.973	1158096	7.071	200	ug/ml
Aliphatic C16-C21	9.974	13.340	829620	5.123	300	ug/ml
Aliphatic C21-C28	13.341	17.005	4377301	29.749	400	ug/ml
Aliphatic C28-C40	17.006	21.959	6320921	58.745	600	ug/ml
Aliphatic EPH	3.277	21.959	13114639	103.648		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	7675174	43.71		ug/ml
1-chlorooctadecane (SURR)	13.077	13.077	6488470	47.8		ug/ml
Aliphatic C9-C28	3.277	17.005	6793718	44.904	1200	ug/ml