

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	PB170229BSD	SDG No.:	Q3427
Lab Sample ID:	PB170229BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/23/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	31.7		1	1.18	2.00	mg/kg	FC070017.D	10/23/25 15:05	PB170229
Aliphatic C9-C28	Aliphatic C9-C28	80.6	E	1	0.91	4.00	mg/kg	FC070017.D	10/23/25 15:05	PB170229
Total AliphaticEPH	Total AliphaticEPH	112			2.09	6.00	mg/kg			
Total EPH	Total EPH	112			2.09	6.00	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	80.6	E	1	0.91	4.00	mg/kg	10/23/25	PB170229
Aliphatic C28-C40	Aliphatic C28-C40	31.7		1	1.18	2.00	mg/kg	10/23/25	PB170229
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	35.6			40 - 140	71%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.5			40 - 140	69%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170229BSD	Acq On:	23 Oct 2025 15:05
Client Sample ID:	PB170229BSD	Operator:	YP/AJ
Data file:	FC070017.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.279	6.574	34319173	237.035	300	ug/ml
Aliphatic C12-C16	6.575	9.975	46128234	281.644	200	ug/ml
Aliphatic C16-C21	9.976	13.343	50266897	310.394	300	ug/ml
Aliphatic C21-C28	13.344	17.007	55780815	379.094	400	ug/ml
Aliphatic C28-C40	17.008	21.965	51189480	475.739	600	ug/ml
Aliphatic EPH	3.279	21.965	237684599	1680		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6064747	34.54		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	4839475	35.65		ug/ml
Aliphatic C9-C28	3.279	17.007	186495119	1210	1200	ug/ml