

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	PB170266BSD	SDG No.:	Q3469
Lab Sample ID:	PB170266BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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	28.8		1	1.18	2.00	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	0.91	3.99	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Total AliphaticEPH	Total AliphaticEPH	99.6			2.09	5.99	mg/kg			
Total EPH	Total EPH	99.6			2.09	5.99	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	70.8	1		0.91	3.99	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.8	1		1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.4			40 - 140	81%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.7			40 - 140	77%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BSD	Acq On:	28 Oct 2025 14:38
Client Sample ID:	PB170266BSD	Operator:	YP/AJ
Data file:	FC070062.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	28002737	193.409	300	ug/ml
Aliphatic C12-C16	6.573	9.973	39866210	243.41	200	ug/ml
Aliphatic C16-C21	9.974	13.340	45355285	280.065	300	ug/ml
Aliphatic C21-C28	13.341	17.005	50818993	345.373	400	ug/ml
Aliphatic C28-C40	17.006	21.959	46536620	432.497	600	ug/ml
Aliphatic EPH	3.277	21.959	210579845	1490		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6788843	38.66		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	5478491	40.36		ug/ml
Aliphatic C9-C28	3.277	17.005	164043225	1060	1200	ug/ml