

## Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	PSEG Bayway Switching Station	Date Received:	11/13/25
Client Sample ID:	VNJ-202-EPH-2	SDG No.:	Q3631
Lab Sample ID:	Q3631-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/14/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.35	2.28	mg/kg	FE056851.D	11/14/25 17:24	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	481		10	10.4	45.6	mg/kg	FE056900.D	11/18/25 14:05	PB170552
Total AliphaticEPH	Total AliphaticEPH	500			11.7	47.9	mg/kg			
Total EPH	Total EPH	500			11.7	47.9	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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		Prep Date	11/14/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	471	E	1	1.04	4.56	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.35	2.28	mg/kg	11/14/25	PB170552
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	59.5			40 - 140	119%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.7			40 - 140	59%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3631-02	Acq On:	14 Nov 2025 17:24
Client Sample ID:	VNJ-202-EPH-2	Operator:	YP\AJ
Data file:	FE056851.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	29735706	173.728	300	ug/ml
Aliphatic C12-C16	6.836	10.280	413113495	2310	200	ug/ml
Aliphatic C16-C21	10.281	13.653	495634161	2660	300	ug/ml
Aliphatic C21-C28	13.654	17.322	205784439	1070	400	ug/ml
Aliphatic C28-C40	17.323	22.254	39636929	248.797	600	ug/ml
Aliphatic EPH	3.212	22.254	1183904730	6460		ug/ml
ortho-Terphenyl (SURR)	11.964	11.964	6200668	29.68		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	9583123	59.48		ug/ml
Aliphatic C9-C28	3.212	17.322	1144267801	6210	1200	ug/ml