

Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	PSEG Bayway Switching Station	Date Received:	11/13/25
Client Sample ID:	VNJ-208-EPH-2	SDG No.:	Q3631
Lab Sample ID:	Q3631-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.01 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	7.58		1	1.36	2.30	mg/kg	FE056853.D	11/14/25 18:24	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	3.69	J	1	1.05	4.60	mg/kg	FE056853.D	11/14/25 18:24	PB170552
Total AliphaticEPH	Total AliphaticEPH	11.3			2.41	6.90	mg/kg			
Total EPH	Total EPH	11.3			2.41	6.90	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
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.69	J	1	1.05	4.60	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	7.58		1	1.36	2.30	mg/kg	11/14/25	PB170552
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.0			40 - 140	46%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.2			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3631-04	Acq On:	14 Nov 2025 18:24
Client Sample ID:	VNJ-208-EPH-2	Operator:	YP\AJ
Data file:	FE056853.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	361839	2.114	300	ug/ml
Aliphatic C12-C16	6.836	10.280	843470	4.719	200	ug/ml
Aliphatic C16-C21	10.281	13.653	1849632	9.917	300	ug/ml
Aliphatic C21-C28	13.654	17.322	6059203	31.433	400	ug/ml
Aliphatic C28-C40	17.323	22.254	15746680	98.84	600	ug/ml
Aliphatic EPH	3.212	22.254	24860824	147.023		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	5683257	27.2		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	3707618	23.01		ug/ml
Aliphatic C9-C28	3.212	17.322	9114144	48.183	1200	ug/ml