

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	SDG No.:	Q3631
Lab Sample ID:	Q3631-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05 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	5.01		1	1.35	2.28	mg/kg	FE056852.D	11/14/25 17:54	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	1.79	J	1	1.04	4.56	mg/kg	FE056852.D	11/14/25 17:54	PB170552
Total AliphaticEPH	Total AliphaticEPH	6.80	J		2.39	6.84	mg/kg			
Total EPH	Total EPH	6.80	J		2.39	6.84	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	1.79	J	1	1.04	4.56	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	5.01		1	1.35	2.28	mg/kg	11/14/25	PB170552
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.9			40 - 140	56%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.2			40 - 140	66%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3631-03	Acq On:	14 Nov 2025 17:54
Client Sample ID:	VNJ-208	Operator:	YP\AJ
Data file:	FE056852.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	327830	1.915	300	ug/ml
Aliphatic C12-C16	6.836	10.280	735558	4.115	200	ug/ml
Aliphatic C16-C21	10.281	13.653	1024137	5.491	300	ug/ml
Aliphatic C21-C28	13.654	17.322	2694279	13.977	400	ug/ml
Aliphatic C28-C40	17.323	22.254	10476332	65.759	600	ug/ml
Aliphatic EPH	3.212	22.254	15258136	91.257		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	6931255	33.18		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	4488279	27.86		ug/ml
Aliphatic C9-C28	3.212	17.322	4781804	25.498	1200	ug/ml