

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	SDG No.:	Q3631
Lab Sample ID:	Q3631-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.07 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	7.49		1	1.37	2.32	mg/kg	FE056850.D	11/14/25 16:54	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	11.7		1	1.06	4.64	mg/kg	FE056850.D	11/14/25 16:54	PB170552
Total AliphaticEPH	Total AliphaticEPH	19.2			2.43	6.96	mg/kg			
Total EPH	Total EPH	19.2			2.43	6.96	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	11.7	1		1.06	4.64	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	7.49	1		1.37	2.32	mg/kg	11/14/25	PB170552
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.6			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.0			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3631-01	Acq On:	14 Nov 2025 16:54
Client Sample ID:	VNJ-202	Operator:	YP\AJ
Data file:	FE056850.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	600927	3.511	300	ug/ml
Aliphatic C12-C16	6.836	10.280	2751075	15.39	200	ug/ml
Aliphatic C16-C21	10.281	13.653	15991472	85.743	300	ug/ml
Aliphatic C21-C28	13.654	17.322	8893273	46.135	400	ug/ml
Aliphatic C28-C40	17.323	22.254	15418568	96.781	600	ug/ml
Aliphatic EPH	3.212	22.254	43655315	247.559		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	6051732	28.97		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	4119674	25.57		ug/ml
Aliphatic C9-C28	3.212	17.322	28236747	150.779	1200	ug/ml