

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Sewaren Laydown Yard	Date Received:	11/07/25
Client Sample ID:	VNJ-240	SDG No.:	Q3581
Lab Sample ID:	Q3581-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.59		1	1.32	2.24	mg/kg	FE056732.D	11/11/25 15:13	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	7.06		1	1.02	4.49	mg/kg	FE056732.D	11/11/25 15:13	PB170479
Total AliphaticEPH	Total AliphaticEPH	15.6			2.34	6.73	mg/kg			
Total EPH	Total EPH	15.6			2.34	6.73	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	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	7.06	1		1.02	4.49	mg/kg	11/11/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	8.59	1		1.32	2.24	mg/kg	11/11/25	PB170479
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.3			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.6			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3581-05	Acq On:	11 Nov 2025 15:13
Client Sample ID:	VNJ-240	Operator:	YP\AJ
Data file:	FE056732.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	463190	2.706	300	ug/ml
Aliphatic C12-C16	6.846	10.294	726862	4.066	200	ug/ml
Aliphatic C16-C21	10.295	13.672	11638084	62.401	300	ug/ml
Aliphatic C21-C28	13.673	17.343	4842329	25.12	400	ug/ml
Aliphatic C28-C40	17.344	22.291	18283590	114.764	600	ug/ml
Aliphatic EPH	3.220	22.291	35954055	209.057		ug/ml
ortho-Terphenyl (SURR)	11.962	11.962	6189540	29.63		ug/ml
1-chlorooctadecane (SURR)	13.400	13.400	4075263	25.29		ug/ml
Aliphatic C9-C28	3.220	17.343	17670465	94.293	1200	ug/ml