

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Sewaren Laydown Yard	Date Received:	11/07/25
Client Sample ID:	VNJ-238	SDG No.:	Q3581
Lab Sample ID:	Q3581-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
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	9.06		1	1.38	2.33	mg/kg	FE056745.D	11/11/25 22:45	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	5.25		1	1.06	4.67	mg/kg	FE056745.D	11/11/25 22:45	PB170479
Total AliphaticEPH	Total AliphaticEPH	14.3			2.44	7.00	mg/kg			
Total EPH	Total EPH	14.3			2.44	7.00	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	5.25	1		1.06	4.67	mg/kg	11/11/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	9.06	1		1.38	2.33	mg/kg	11/11/25	PB170479
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.8			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.4			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3581-01	Acq On:	11 Nov 2025 22:45
Client Sample ID:	VNJ-238	Operator:	YP\AJ
Data file:	FE056745.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	486673	2.843	300	ug/ml
Aliphatic C12-C16	6.846	10.294	1446305	8.091	200	ug/ml
Aliphatic C16-C21	10.295	13.672	7431884	39.848	300	ug/ml
Aliphatic C21-C28	13.673	17.343	3212489	16.665	400	ug/ml
Aliphatic C28-C40	17.344	22.291	18566430	116.539	600	ug/ml
Aliphatic EPH	3.220	22.291	31143781	183.987		ug/ml
ortho-Terphenyl (SURR)	11.956	11.956	5730762	27.43		ug/ml
1-chlorooctadecane (SURR)	13.393	13.393	3837444	23.82		ug/ml
Aliphatic C9-C28	3.220	17.343	12577351	67.447	1200	ug/ml