

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Sewaren Laydown Yard	Date Received:	11/21/25
Client Sample ID:	VNJ-222	SDG No.:	Q3711
Lab Sample ID:	Q3711-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.33	2.26	mg/kg	FE057011.D	11/24/25 21:14	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	2.67	J	1	1.03	4.52	mg/kg	FE057011.D	11/24/25 21:14	PB170707
Total AliphaticEPH	Total AliphaticEPH	15.7			2.36	6.78	mg/kg			
Total EPH	Total EPH	15.7			2.36	6.78	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	2.67	J	1	1.03	4.52	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.33	2.26	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.7			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.5			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3711-01	Acq On:	24 Nov 2025 21:14
Client Sample ID:	VNJ-222	Operator:	YP\AJ
Data file:	FE057011.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	461736	2.698	300	ug/ml
Aliphatic C12-C16	6.830	10.275	738613	4.132	200	ug/ml
Aliphatic C16-C21	10.276	13.649	1859125	9.968	300	ug/ml
Aliphatic C21-C28	13.650	17.319	3594936	18.649	400	ug/ml
Aliphatic C28-C40	17.320	22.252	27530445	172.805	600	ug/ml
Aliphatic EPH	3.204	22.252	34184855	208.253		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5739215	27.47		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3814275	23.67		ug/ml
Aliphatic C9-C28	3.204	17.319	6654410	35.447	1200	ug/ml