

Report of Analysis

Client:	PSEG	Date Collected:	09/22/25
Project:	Sewaren Laydown Yard	Date Received:	09/22/25
Client Sample ID:	VNJ-245	SDG No.:	Q3159
Lab Sample ID:	Q3159-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/24/25 10:05	09/24/25 15:59	PB169809

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1	1.38	2.34	mg/kg FE055973.D
Aliphatic C9-C28	Aliphatic C9-C28	6.53		1	1.06	4.68	mg/kg FE055973.D
Total AliphaticEPH	Total AliphaticEPH	17.6			2.44	7.02	mg/kg
Total EPH	Total EPH	17.6			2.44	7.02	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

Report of Analysis

Client:	PSEG	Date Collected:	09/22/25
Project:	Sewaren Laydown Yard	Date Received:	09/22/25
Client Sample ID:	VNJ-245	SDG No.:	Q3159
Lab Sample ID:	Q3159-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055973.D	1	09/24/25	09/24/25	PB169809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.53		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1.38	2.34	mg/kg
SURROGATES						
1-chlorooctadecane (SURRE)	1-chlorooctadecane (SURRE)	36.1		40 - 140	72%	SPK: 50
ortho-Terphenyl (SURRE)	ortho-Terphenyl (SURRE)	33.4		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3159-01	Acq On:	24 Sep 2025 15:59
Client Sample ID:	VNJ-245	Operator:	YP\AJ
Data file:	FE055973.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.943	534242	3.815	300	ug/ml
Aliphatic C12-C16	6.944	10.395	1116788	7.281	200	ug/ml
Aliphatic C16-C21	10.396	13.774	7735223	46.632	300	ug/ml
Aliphatic C21-C28	13.775	17.445	3886191	26.165	400	ug/ml
Aliphatic C28-C40	17.446	22.457	19389108	142.303	600	ug/ml
Aliphatic EPH	3.311	22.457	32661552	226.196		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	6263709	33.38		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	5035827	36.08		ug/ml
Aliphatic C9-C28	3.311	17.445	13272444	83.893	1200	ug/ml