

Report of Analysis

Client:	PSEG	Date Collected:	10/03/25
Project:	Sewaren Laydown Yard	Date Received:	10/03/25
Client Sample ID:	VNJ-240	SDG No.:	Q3289
Lab Sample ID:	Q3289-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/06/25 08:00	10/06/25 20:05	PB169990

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.9		1	1.26	2.13	mg/kg	FE056208.D
Aliphatic C9-C28	Aliphatic C9-C28	3.20	J	1	0.97	4.27	mg/kg	FE056208.D
Total AliphaticEPH	Total AliphaticEPH	18.1			2.23	6.40	mg/kg	
Total EPH	Total EPH	18.1			2.23	6.40	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056208.D	1	10/06/25	10/06/25	PB169990

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.20	J	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.9		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3289-01	Acq On:	06 Oct 2025 20:05
Client Sample ID:	VNJ-240	Operator:	YP\AJ
Data file:	FE056208.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	3.311	6.945	418189	2.986	300	ug/ml
Aliphatic C12-C16	6.946	10.396	1372291	8.947	200	ug/ml
Aliphatic C16-C21	10.397	13.775	1558428	9.395	300	ug/ml
Aliphatic C21-C28	13.776	17.444	3519326	23.695	400	ug/ml
Aliphatic C28-C40	17.445	22.453	28532805	209.412	600	ug/ml
Aliphatic EPH	3.311	22.453	35401039	254.436		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	5686564	30.3		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	4455945	31.93		ug/ml
Aliphatic C9-C28	3.311	17.444	6868234	45.023	1200	ug/ml