

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Sewaren Laydown Yard	Date Received:	08/15/25
Client Sample ID:	VNJ-210	SDG No.:	Q2888
Lab Sample ID:	Q2888-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.9
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
08/19/25 08:05	08/19/25 15:31	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.71		1	1.24	2.10	mg/kg FE055384.D
Aliphatic C9-C28	Aliphatic C9-C28	8.42		1	0.96	4.20	mg/kg FE055384.D
Total AliphaticEPH	Total AliphaticEPH	17.1			2.20	6.30	mg/kg
Total EPH	Total EPH	17.1			2.20	6.30	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
FE055384.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.42		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.71		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2888-01	Acq On:	19 Aug 2025 15:31
Client Sample ID:	VNJ-210	Operator:	YP\AJ
Data file:	FE055384.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	459168	3.932	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1112706	8.886	200	ug/ml
Aliphatic C16-C21	10.403	13.781	4144463	32.787	300	ug/ml
Aliphatic C21-C28	13.782	17.453	8973773	74.468	400	ug/ml
Aliphatic C28-C40	17.454	22.471	14158897	124.215	600	ug/ml
Aliphatic EPH	3.317	22.471	28849007	244.287		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	4798944	33.61		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4004522	37.24		ug/ml
Aliphatic C9-C28	3.317	17.453	14690110	120.073	1200	ug/ml