

Report of Analysis

Client:	PSEG	Date Collected:	09/18/25
Project:	Sewaren Laydown Yard	Date Received:	09/18/25
Client Sample ID:	VNJ-222	SDG No.:	Q3133
Lab Sample ID:	Q3133-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/19/25 08:55	09/19/25 13:52	PB169750

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	14.5		1	1.33	2.25	mg/kg FE055898.D
Aliphatic C9-C28	Aliphatic C9-C28	6.95		1	1.02	4.51	mg/kg FE055898.D
Total AliphaticEPH	Total AliphaticEPH	21.5			2.36	6.76	mg/kg
Total EPH	Total EPH	21.5			2.36	6.76	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 Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055898.D	1	09/19/25	09/19/25	PB169750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.95		1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.5		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3133-03	Acq On:	19 Sep 2025 13:52
Client Sample ID:	VNJ-222	Operator:	YP\AJ
Data file:	FE055898.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.947	396725	3.09	300	ug/ml
Aliphatic C12-C16	6.948	10.401	1134778	8.4	200	ug/ml
Aliphatic C16-C21	10.402	13.781	8404809	58.279	300	ug/ml
Aliphatic C21-C28	13.782	17.454	3279856	22.898	400	ug/ml
Aliphatic C28-C40	17.455	22.471	26643419	193.461	600	ug/ml
Aliphatic EPH	3.311	22.471	39859587	286.128		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6402142	38.97		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5163140	41.29		ug/ml
Aliphatic C9-C28	3.311	17.454	13216168	92.667	1200	ug/ml