

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Sewaren Laydown Yard	Date Received:	06/10/25
Client Sample ID:	VNJ-210	SDG No.:	Q2280
Lab Sample ID:	Q2280-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/11/25 16:51	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.00		1	1.24	2.09	mg/kg FE054311.D
Aliphatic C9-C28	Aliphatic C9-C28	10.0		1	0.95	4.20	mg/kg FE054311.D
Total AliphaticEPH	Total AliphaticEPH	16.0			2.19	6.29	mg/kg
Total EPH	Total EPH	16.0			2.19	6.29	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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Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054311.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.0		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.00		1.24	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.8		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2280-01	Acq On:	11 Jun 2025 16:51
Client Sample ID:	VNJ-210	Operator:	YP\AJ
Data file:	FE054311.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	1808426	14.438	300	ug/ml
Aliphatic C12-C16	6.724	10.169	1474820	11.245	200	ug/ml
Aliphatic C16-C21	10.170	13.542	7055192	52.68	300	ug/ml
Aliphatic C21-C28	13.543	17.208	8237630	64.828	400	ug/ml
Aliphatic C28-C40	17.209	22.074	11029450	86.003	600	ug/ml
Aliphatic EPH	3.078	22.074	29605518	229.194		ug/ml
ortho-Terphenyl (SURR)	11.830	11.830	6572594	39.78		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	5225074	42.85		ug/ml
Aliphatic C9-C28	3.078	17.208	18576068	143.191	1200	ug/ml