

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Sewaren Laydown Yard	Date Received:	03/24/25
Client Sample ID:	VNJ-206	SDG No.:	Q1630
Lab Sample ID:	Q1630-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
03/25/25 09:30	03/25/25 15:24	PB167292

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.26	J	1	1.34	2.28	mg/kg	FE052957.D
Aliphatic C9-C28	Aliphatic C9-C28	4.62		1	1.04	4.56	mg/kg	FE052957.D
Total AliphaticEPH	Total AliphaticEPH	6.88			2.38	6.84	mg/kg	
Total EPH	Total EPH	6.88			2.38	6.84	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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Sample Wt/Vol:	30.04 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
FE052957.D	1	03/25/25	03/25/25	PB167292

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.62		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.26	J	1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1630-01	Acq On:	25 Mar 2025 15:24
Client Sample ID:	VNJ-206	Operator:	YP\AJ
Data file:	FE052957.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1691085	10.844	300	ug/ml
Aliphatic C12-C16	6.792	10.245	1877033	12.341	200	ug/ml
Aliphatic C16-C21	10.246	13.624	3216061	21.945	300	ug/ml
Aliphatic C21-C28	13.625	17.298	2235444	15.693	400	ug/ml
Aliphatic C28-C40	17.299	22.217	3801537	29.795	600	ug/ml
Aliphatic EPH	3.147	22.217	12821160	90.618		ug/ml
ortho-Terphenyl (SURR)	11.905	11.905	4792921	28.43		ug/ml
1-chlorooctadecane (SURR)	13.349	13.349	3696141	30.44		ug/ml
Aliphatic C9-C28	3.147	17.298	9019623	60.823	1200	ug/ml