

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Sewaren Laydown Yard	Date Received:	08/11/25
Client Sample ID:	VNJ-238	SDG No.:	Q2831
Lab Sample ID:	Q2831-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 2:06	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	1.26	2.14	mg/kg FE055276.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	0.98	4.28	mg/kg FE055276.D
Total AliphaticEPH	Total AliphaticEPH	32.7			2.23	6.42	mg/kg
Total EPH	Total EPH	32.7			2.23	6.42	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:	93.1
Sample Wt/Vol:	30.07 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
FE055276.D	1	08/12/25	08/13/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.0		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2831-01	Acq On:	13 Aug 2025 02:06
Client Sample ID:	VNJ-238	Operator:	YP\AJ
Data file:	FE055276.D	Misc:	
Instrument:	FID_E	ALS Vial:	39
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	614717	5.264	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1284321	10.256	200	ug/ml
Aliphatic C16-C21	10.414	13.793	5457182	43.172	300	ug/ml
Aliphatic C21-C28	13.794	17.466	10111430	83.908	400	ug/ml
Aliphatic C28-C40	17.467	22.498	35940902	315.306	600	ug/ml
Aliphatic EPH	3.323	22.498	53408552	457.907		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	5002633	35.03		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	4209348	39.15		ug/ml
Aliphatic C9-C28	3.323	17.466	17467650	142.6	1200	ug/ml