

Report of Analysis

Client:	PSEG	Date Collected:	08/07/25
Project:	Sewaren Laydown Yard	Date Received:	08/07/25
Client Sample ID:	VNJ-222	SDG No.:	Q2800
Lab Sample ID:	Q2800-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
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
08/08/25 09:37	08/08/25 16:48	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.27	2.15	mg/kg FE055214.D
Aliphatic C9-C28	Aliphatic C9-C28	32.4		1	0.98	4.29	mg/kg FE055214.D
Total AliphaticEPH	Total AliphaticEPH	54.7			2.25	6.43	mg/kg
Total EPH	Total EPH	54.7			2.25	6.43	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
FE055214.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	32.4		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2800-01	Acq On:	08 Aug 2025 16:48
Client Sample ID:	VNJ-222	Operator:	YP\AJ
Data file:	FE055214.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	544757	4.665	300	ug/ml
Aliphatic C12-C16	6.961	10.413	5882028	46.971	200	ug/ml
Aliphatic C16-C21	10.414	13.792	23297920	184.312	300	ug/ml
Aliphatic C21-C28	13.793	17.464	26121644	216.767	400	ug/ml
Aliphatic C28-C40	17.465	22.492	35550783	311.884	600	ug/ml
Aliphatic EPH	3.325	22.492	91397132	764.598		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4683425	32.8		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	4195100	39.02		ug/ml
Aliphatic C9-C28	3.325	17.464	55846349	452.715	1200	ug/ml