

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Sewaren Laydown Yard	Date Received:	08/29/25
Client Sample ID:	RT5427	SDG No.:	Q2995
Lab Sample ID:	Q2995-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
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
09/02/25 08:00	09/02/25 16:11	PB169491

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.46		1	1.29	2.18	mg/kg FF016302.D
Aliphatic C9-C28	Aliphatic C9-C28	4.48		1	0.99	4.37	mg/kg FF016302.D
Total AliphaticEPH	Total AliphaticEPH	8.94			2.28	6.55	mg/kg
Total EPH	Total EPH	8.94			2.28	6.55	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016302.D	1	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.48		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.46		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.2		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2995-01	Acq On:	02 Sep 2025 16:11
Client Sample ID:	RT5427	Operator:	YP\AJ
Data file:	FF016302.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.863	480111	4.053	300	ug/ml
Aliphatic C12-C16	6.864	10.308	879469	7.168	200	ug/ml
Aliphatic C16-C21	10.309	13.681	2354753	18.379	300	ug/ml
Aliphatic C21-C28	13.682	17.352	3997301	31.825	400	ug/ml
Aliphatic C28-C40	17.353	22.315	6231460	61.287	600	ug/ml
Aliphatic EPH	3.221	22.315	13943094	122.712		ug/ml
ortho-Terphenyl (SURR)	11.977	11.977	5522237	38.18		ug/ml
1-chlorooctadecane (SURR)	13.418	13.418	4450945	39.9		ug/ml
Aliphatic C9-C28	3.221	17.352	7711634	61.425	1200	ug/ml