

Report of Analysis

Client:	PSEG	Date Collected:	07/25/25
Project:	Sewaren Laydown Yard	Date Received:	07/25/25
Client Sample ID:	RT-5417	SDG No.:	Q2706
Lab Sample ID:	Q2706-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/28/25 09:00	07/28/25 17:31	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1	1.28	2.17	mg/kg	FC069550.D
Aliphatic C9-C28	Aliphatic C9-C28	4.26	J	1	0.99	4.33	mg/kg	FC069550.D
Total AliphaticEPH	Total AliphaticEPH	15.9			2.27	6.50	mg/kg	
Total EPH	Total EPH	15.9			2.27	6.50	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:	92.2
Sample Wt/Vol:	30.01 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
FC069550.D	1	07/28/25	07/28/25	PB169021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.26	J	0.99	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.4		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2706-01	Acq On:	28 Jul 2025 17:31
Client Sample ID:	RT-5417	Operator:	YP/AJ
Data file:	FC069550.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.602	546415	3.931	300	ug/ml
Aliphatic C12-C16	6.603	10.006	1131604	7.854	200	ug/ml
Aliphatic C16-C21	10.007	13.376	2079465	15.291	300	ug/ml
Aliphatic C21-C28	13.377	17.043	3783111	31.794	400	ug/ml
Aliphatic C28-C40	17.044	22.029	14397710	160.183	600	ug/ml
Aliphatic EPH	3.303	22.029	21938305	219.052		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	6137841	41.36		ug/ml
1-chlorooctadecane (SURR)	13.112	13.112	4855551	42.97		ug/ml
Aliphatic C9-C28	3.303	17.043	7540595	58.87	1200	ug/ml