

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Sewaren Laydown Yard	Date Received:	
Client Sample ID:	RT-5417MS	SDG No.:	Q2706
Lab Sample ID:	Q2706-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.05	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 19:02	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	127			2.27	6.49	mg/kg
Total EPH	Total EPH	127			2.27	6.49	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069552.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	84.7		0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.5		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2706-01MS	Acq On:	28 Jul 2025 19:02
Client Sample ID:	Q2706-01MS	Operator:	YP/AJ
Data file:	FC069552.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.602	23622062	169.944	300	ug/ml
Aliphatic C12-C16	6.603	10.006	33482574	232.399	200	ug/ml
Aliphatic C16-C21	10.007	13.376	49994136	367.612	300	ug/ml
Aliphatic C21-C28	13.377	17.043	47993099	403.34	400	ug/ml
Aliphatic C28-C40	17.044	22.029	52965934	589.275	600	ug/ml
Aliphatic EPH	3.303	22.029	208057805	1760		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	5251696	35.39		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	4195405	37.12		ug/ml
Aliphatic C9-C28	3.303	17.043	155091871	1170	1200	ug/ml