

Report of Analysis

Client:	PSEG	Date Collected:	07/25/25
Project:	Sewaren Laydown Yard	Date Received:	07/25/25
Client Sample ID:	ETGI-361	SDG No.:	Q2706
Lab Sample ID:	Q2706-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
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
07/28/25 09:00	07/28/25 17:51	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.4		1	1.37	2.33	mg/kg	FE055053.D
Aliphatic C9-C28	Aliphatic C9-C28	4.63	J	1	1.06	4.65	mg/kg	FE055053.D
Total AliphaticEPH	Total AliphaticEPH	30.0			2.43	6.98	mg/kg	
Total EPH	Total EPH	30.0			2.43	6.98	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
FE055053.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	4.63	J	1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.4		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.2		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.8		40 - 140	102%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2706-03	Acq On:	28 Jul 2025 17:51
Client Sample ID:	ETGI-361	Operator:	YP\AJ
Data file:	FE055053.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.959	437337	3.528	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1041201	7.834	200	ug/ml
Aliphatic C16-C21	10.414	13.792	1792285	13.667	300	ug/ml
Aliphatic C21-C28	13.793	17.462	4328181	34.693	400	ug/ml
Aliphatic C28-C40	17.463	22.490	39384772	326.875	600	ug/ml
Aliphatic EPH	3.324	22.490	46983776	386.597		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	7525212	50.84		ug/ml
1-chlorooctadecane (SURR)	13.530	13.530	5956549	53.19		ug/ml
Aliphatic C9-C28	3.324	17.462	7599004	59.722	1200	ug/ml