

Report of Analysis

Client:	PSEG	Date Collected:	03/28/25
Project:	Sewaren Laydown Yard	Date Received:	03/28/25
Client Sample ID:	72-11991	SDG No.:	Q1674
Lab Sample ID:	Q1674-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 19:30	PB167381

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.7		1	1.40	2.37	mg/kg FC068454.D
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1	1.08	4.75	mg/kg FC068454.D
Total AliphaticEPH	Total AliphaticEPH	26.5			2.48	7.12	mg/kg
Total EPH	Total EPH	26.5			2.48	7.12	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
FC068454.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.7		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1674-03	Acq On:	31 Mar 2025 19:30
Client Sample ID:	72-11991	Operator:	YP/AJ
Data file:	FC068454.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	3069195	18.908	300	ug/ml
Aliphatic C12-C16	6.360	9.743	1927453	11.46	200	ug/ml
Aliphatic C16-C21	9.744	13.097	9251256	53.94	300	ug/ml
Aliphatic C21-C28	13.098	16.748	13141306	77.819	400	ug/ml
Aliphatic C28-C40	16.749	21.546	23582729	173.184	600	ug/ml
Aliphatic EPH	3.098	21.546	50971939	335.311		ug/ml
ortho-Terphenyl (SURR)	11.387	11.387	6550585	32.98		ug/ml
1-chlorooctadecane (SURR)	12.829	12.829	4921549	33.01		ug/ml
Aliphatic C9-C28	3.098	16.748	27389210	162.127	1200	ug/ml