

Report of Analysis

Client:	PSEG	Date Collected:	03/28/25
Project:	Sewaren Laydown Yard	Date Received:	03/28/25
Client Sample ID:	RT5358	SDG No.:	Q1674
Lab Sample ID:	Q1674-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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 17:01	PB167381

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.59		1	1.32	2.24	mg/kg FC068450.D
Aliphatic C9-C28	Aliphatic C9-C28	6.25		1	1.02	4.48	mg/kg FC068450.D
Total AliphaticEPH	Total AliphaticEPH	9.84			2.34	6.72	mg/kg
Total EPH	Total EPH	9.84			2.34	6.72	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

Report of Analysis

Client:	PSEG	Date Collected:	03/28/25
Project:	Sewaren Laydown Yard	Date Received:	03/28/25
Client Sample ID:	RT5358	SDG No.:	Q1674
Lab Sample ID:	Q1674-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068450.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	6.25		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.59		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.4		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1674-01	Acq On:	31 Mar 2025 17:01
Client Sample ID:	RT5358	Operator:	YP/AJ
Data file:	FC068450.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	3.098	6.359	3865724	23.816	300	ug/ml
Aliphatic C12-C16	6.360	9.743	920312	5.472	200	ug/ml
Aliphatic C16-C21	9.744	13.097	1981447	11.553	300	ug/ml
Aliphatic C21-C28	13.098	16.748	7232214	42.827	400	ug/ml
Aliphatic C28-C40	16.749	21.546	6551210	48.11	600	ug/ml
Aliphatic EPH	3.098	21.546	20550907	131.777		ug/ml
ortho-Terphenyl (SURR)	11.387	11.387	7828562	39.41		ug/ml
1-chlorooctadecane (SURR)	12.830	12.830	5848004	39.23		ug/ml
Aliphatic C9-C28	3.098	16.748	13999697	83.668	1200	ug/ml