

Report of Analysis

Client:	PSEG	Date Collected:	10/03/25
Project:	Sewaren Laydown Yard	Date Received:	10/03/25
Client Sample ID:	72-11966	SDG No.:	Q3289
Lab Sample ID:	Q3289-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/06/25 08:00	10/06/25 22:37	PB169990

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.73		1	1.31	2.22	mg/kg	FE056213.D
Aliphatic C9-C28	Aliphatic C9-C28	2.96	J	1	1.01	4.44	mg/kg	FE056213.D
Total AliphaticEPH	Total AliphaticEPH	11.7			2.32	6.66	mg/kg	
Total EPH	Total EPH	11.7			2.32	6.66	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056213.D	1	10/06/25	10/06/25	PB169990

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.96	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.73		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3289-05	Acq On:	06 Oct 2025 22:37
Client Sample ID:	72-11966	Operator:	YP\AJ
Data file:	FE056213.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	353980	2.528	300	ug/ml
Aliphatic C12-C16	6.946	10.396	1425665	9.295	200	ug/ml
Aliphatic C16-C21	10.397	13.775	1405059	8.47	300	ug/ml
Aliphatic C21-C28	13.776	17.444	2937889	19.78	400	ug/ml
Aliphatic C28-C40	17.445	22.453	16077898	118.001	600	ug/ml
Aliphatic EPH	3.311	22.453	22200491	158.075		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	6271129	33.42		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4985435	35.72		ug/ml
Aliphatic C9-C28	3.311	17.444	6122593	40.073	1200	ug/ml