

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Sewaren Laydown Yard	Date Received:	06/10/25
Client Sample ID:	RT-4643	SDG No.:	Q2280
Lab Sample ID:	Q2280-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/11/25 18:52	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.00		1	1.30	2.21	mg/kg FE054315.D
Aliphatic C9-C28	Aliphatic C9-C28	6.36		1	1.00	4.41	mg/kg FE054315.D
Total AliphaticEPH	Total AliphaticEPH	12.4			2.31	6.62	mg/kg
Total EPH	Total EPH	12.4			2.31	6.62	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
FE054315.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.36		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.00		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2280-03	Acq On:	11 Jun 2025 18:52
Client Sample ID:	RT-4643	Operator:	YP\AJ
Data file:	FE054315.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	1276567	10.192	300	ug/ml
Aliphatic C12-C16	6.724	10.169	1550268	11.82	200	ug/ml
Aliphatic C16-C21	10.170	13.542	2038182	15.219	300	ug/ml
Aliphatic C21-C28	13.543	17.208	6242678	49.128	400	ug/ml
Aliphatic C28-C40	17.209	22.074	10459821	81.561	600	ug/ml
Aliphatic EPH	3.078	22.074	21567516	167.92		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	5322556	32.21		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	4210881	34.53		ug/ml
Aliphatic C9-C28	3.078	17.208	11107695	86.359	1200	ug/ml