

Report of Analysis

Client:	PSEG	Date Collected:	02/11/25
Project:	Sewaren Laydown Yard	Date Received:	02/11/25
Client Sample ID:	346	SDG No.:	Q1353
Lab Sample ID:	Q1353-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
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
02/12/25 09:10	02/12/25 14:38	PB166699

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.97		1	2.00	2.23	mg/kg FE052367.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	1.91	4.44	mg/kg FE052367.D
Total AliphaticEPH	Total AliphaticEPH	19.2			3.91	6.67	mg/kg
Total EPH	Total EPH	19.2			3.91	6.67	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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Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052367.D	1	02/12/25	02/12/25	PB166699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.97		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.3		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.8		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1353-01	Acq On:	12 Feb 2025 14:38
Client Sample ID:	346	Operator:	YP\AJ
Data file:	FE052367.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.692	7.248	4578726	47.604	300	ug/ml
Aliphatic C12-C16	7.249	10.651	1012953	9.674	200	ug/ml
Aliphatic C16-C21	10.652	13.997	6754889	59.766	300	ug/ml
Aliphatic C21-C28	13.998	17.639	2370479	20.794	400	ug/ml
Aliphatic C28-C40	17.640	22.734	11069678	120.909	600	ug/ml
Aliphatic EPH	3.692	22.734	25786725	258.746		ug/ml
ortho-Terphenyl (SURR)	12.325	12.325	5295804	42.79		ug/ml
1-chlorooctadecane (SURR)	13.736	13.736	4368073	44.26		ug/ml
Aliphatic C9-C28	3.692	17.639	14717047	137.838	1200	ug/ml