

Report of Analysis

Client:	PSEG	Date Collected:	12/19/24
Project:	Sewaren Laydown Yard	Date Received:	12/19/24
Client Sample ID:	RBR251688	SDG No.:	P5355
Lab Sample ID:	P5355-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/23/24 09:30	12/26/24 11:28	PB165815

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	2.20	2.44	mg/kg FE051759.D
Aliphatic C9-C28	Aliphatic C9-C28	9.60		1	2.10	4.88	mg/kg FE051759.D
Total AliphaticEPH	Total AliphaticEPH	21.3			4.30	7.33	mg/kg
Total EPH	Total EPH	21.3			4.30	7.33	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051759.D	1	12/23/24	12/26/24	PB165815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.60		2.10	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		2.20	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.4		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5355-01	Acq On:	26 Dec 2024 11:28
Client Sample ID:	RBR251688	Operator:	YP\AJ
Data file:	FE051759.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	3.386	6.959	2138213	17.139	300	ug/ml
Aliphatic C12-C16	6.960	10.368	4613281	33.31	200	ug/ml
Aliphatic C16-C21	10.369	13.713	4878108	33.767	300	ug/ml
Aliphatic C21-C28	13.714	17.349	4590686	33.673	400	ug/ml
Aliphatic C28-C40	17.350	22.245	15629585	143.964	600	ug/ml
Aliphatic EPH	3.386	22.245	31849873	261.853		ug/ml
ortho-Terphenyl (SURR)	12.026	12.026	6651313	41.43		ug/ml
1-chlorooctadecane (SURR)	13.448	13.448	5287753	41.92		ug/ml
Aliphatic C9-C28	3.386	17.349	16220288	117.889	1200	ug/ml