284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	01/28/25
Project:	Sewaren Laydown Yard	Date Received:	01/28/25
Client Sample ID:	VNJ-236	SDG No.:	Q1205
Lab Sample ID:	Q1205-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/29/25 09:41	01/29/25 16:25	PB166336

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.50		1	2.06	2.29	mg/kg	FE052122.D
Aliphatic C9-C28	Aliphatic C9-C28	4.57	U	1	1.97	4.57	mg/kg	FE052122.D
Total AliphaticEPH	Total AliphaticEPH	6.86	U		4.03	6.86	mg/kg	
Total EPH	Total EPH	6.86	U		4.03	6.86	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
FE052122.D	1	01/29/25	01/29/25	PB166336

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.97	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.50		2.06	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		26.0		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.7		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1205-01	Acq On:	29 Jan 2025 16:25
Client Sample ID:	VNJ-236	Operator:	YP\AJ
Data file:	FE052122.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	3.576	7.131	643798	5.871	300	ug/ml
Aliphatic C12-C16	7.132	10.531	1054458	8.699	200	ug/ml
Aliphatic C16-C21	10.532	13.874	1256207	9.576	300	ug/ml
Aliphatic C21-C28	13.875	17.518	1525256	11.55	400	ug/ml
Aliphatic C28-C40	17.519	22.537	4923545	45.889	600	ug/ml
Aliphatic EPH	3.576	22.537	9403264	81.585		ug/ml
ortho-Terphenyl (SURR)	12.196	12.196	3673190	25.7		ug/ml
1-chlorooctadecane (SURR)	13.610	13.610	2979484	25.97		ug/ml
Aliphatic C9-C28	3.576	17.518	4479719	35.696	1200	ug/ml