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

Report of Analysis

Client:	PSEG	Date Collected:	10/03/25
Project:	Sewaren Laydown Yard	Date Received:	10/03/25
Client Sample ID:	VNJ-261	SDG No.:	Q3289
Lab Sample ID:	Q3289-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

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

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.8		1	1.36	2.30	mg/kg	FE056212.D
Aliphatic C9-C28	Aliphatic C9-C28	65.9		1	1.04	4.60	mg/kg	FE056212.D
Total AliphaticEPH	Total AliphaticEPH	81.7			2.40	6.90	mg/kg	
Total EPH	Total EPH	81.7			2.40	6.90	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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Lab Sample ID:	Q3289-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.01 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
FE056212.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		65.9		1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		15.8		1.36	2.30	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3289-03	Acq On:	06 Oct 2025 22:06
Client Sample ID:	VNJ-261	Operator:	YP\AJ
Data file:	FE056212.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	1166570	8.331	300	ug/ml
Aliphatic C12-C16	6.946	10.396	28812225	187.853	200	ug/ml
Aliphatic C16-C21	10.397	13.775	73779000	444.774	300	ug/ml
Aliphatic C21-C28	13.776	17.444	32584192	219.382	400	ug/ml
Aliphatic C28-C40	17.445	22.453	28103561	206.262	600	ug/ml
Aliphatic EPH	3.311	22.453	164445548	1070		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.311	17.444	136341987	860.34	1200	ug/ml