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

Report of Analysis

Client:	PSEG			Date Collected:	05/07/25
Project:	9th Ave Pole Yard			Date Received:	05/07/25
Client Sample ID:	VNJ-207			SDG No.:	Q1976
Lab Sample ID:	Q1976-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	83.2
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/08/25 09:45	05/08/25 22:02	PB167906

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.83		1	1.42	2.40	mg/kg	FE053724.D
Aliphatic C9-C28	Aliphatic C9-C28	2.72	J	1	1.09	4.80	mg/kg	FE053724.D
Total AliphaticEPH	Total AliphaticEPH	7.55			2.51	7.20	mg/kg	
Total EPH	Total EPH	7.55			2.51	7.20	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
FE053724.D	1	05/08/25	05/08/25	PB167906

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.72	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.83		1.42	2.40	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		42.7		40 - 140	85%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1976-01	Acq On:	08 May 2025 22:02
Client Sample ID:	VNJ-207	Operator:	YP\AJ
Data file:	FE053724.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	415887	3.001	300	ug/ml
Aliphatic C12-C16	6.751	10.198	1317430	9.29	200	ug/ml
Aliphatic C16-C21	10.199	13.573	1131096	7.781	300	ug/ml
Aliphatic C21-C28	13.574	17.241	1967108	13.836	400	ug/ml
Aliphatic C28-C40	17.242	22.125	7789197	60.358	600	ug/ml
Aliphatic EPH	3.109	22.125	12620718	94.267		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	7703687	42.71		ug/ml
1-chlorooctadecane (SURR)	13.305	13.305	5718838	42.31		ug/ml
Aliphatic C9-C28	3.109	17.241	4831521	33.908	1200	ug/ml