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

Report of Analysis

Client:	PSEG			Date Collected:	01/22/25
Project:	9th Ave Pole Yard			Date Received:	01/22/25
Client Sample ID:	281			SDG No.:	Q1156
Lab Sample ID:	Q1156-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
01/23/25 09:20	01/23/25 15:04	PB166186

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.5		1	2.00	2.22	mg/kg	FE052016.D
Aliphatic C9-C28	Aliphatic C9-C28	2.85	J	1	1.91	4.44	mg/kg	FE052016.D
Total AliphaticEPH	Total AliphaticEPH	13.3			3.91	6.66	mg/kg	
Total EPH	Total EPH	13.3			3.91	6.66	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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052016.D	1	01/23/25	01/23/25	PB166186

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.85	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.5		2.00	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.7		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1156-01	Acq On:	23 Jan 2025 15:04
Client Sample ID:	281	Operator:	YP\AJ
Data file:	FE052016.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	3.586	7.140	511842	4.668	300	ug/ml
Aliphatic C12-C16	7.141	10.539	1202353	9.919	200	ug/ml
Aliphatic C16-C21	10.540	13.882	1614009	12.303	300	ug/ml
Aliphatic C21-C28	13.883	17.526	2132035	16.145	400	ug/ml
Aliphatic C28-C40	17.527	22.550	15203832	141.705	600	ug/ml
Aliphatic EPH	3.586	22.550	20664071	184.739		ug/ml
ortho-Terphenyl (SURR)	12.204	12.204	4810557	33.66		ug/ml
1-chlorooctadecane (SURR)	13.618	13.618	3868699	33.72		ug/ml
Aliphatic C9-C28	3.586	17.526	5460239	43.035	1200	ug/ml