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

Report of Analysis

Client:	PSEG	Date Collected:	05/05/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	05/05/25
Client Sample ID:	HD-01-050525	SDG No.:	Q1962
Lab Sample ID:	Q1962-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:00	05/07/25 10:54	PB167876

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.7		2	2.74	4.65	mg/kg	FE053687.D
Aliphatic C9-C28	Aliphatic C9-C28	19.8		1	1.06	4.64	mg/kg	FE053678.D
Total AliphaticEPH	Total AliphaticEPH	69.5			3.80	9.29	mg/kg	
Total EPH	Total EPH	69.5			3.80	9.29	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
FE053678.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		19.8		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		51.3	E	1.37	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.3		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.2		40 - 140	46%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1962-01	Acq On:	06 May 2025 20:03
Client Sample ID:	HD-01-050525	Operator:	YP\AJ
Data file:	FE053678.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	3.110	6.752	745266	5.379	300	ug/ml
Aliphatic C12-C16	6.753	10.201	14707638	103.717	200	ug/ml
Aliphatic C16-C21	10.202	13.575	15985598	109.97	300	ug/ml
Aliphatic C21-C28	13.576	17.244	5124736	36.045	400	ug/ml
Aliphatic C28-C40	17.245	22.131	85486334	662.432	600	ug/ml
Aliphatic EPH	3.110	22.131	122049572	917.542		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	4189699	23.23		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	3419650	25.3		ug/ml
Aliphatic C9-C28	3.110	17.244	36563238	255.111	1200	ug/ml