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

Report of Analysis

Client:	PSEG	Date Collected:	02/26/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	02/26/25
Client Sample ID:	HD-02-022625	SDG No.:	Q1441
Lab Sample ID:	Q1441-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
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
02/27/25 08:40	02/28/25 9:10	PB166886

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	78.4		5	10.2	11.4	mg/kg	FE052555.D
Aliphatic C9-C28	Aliphatic C9-C28	23.5		1	1.95	4.55	mg/kg	FE052535.D
Total AliphaticEPH	Total AliphaticEPH	102			12.2	15.9	mg/kg	
Total EPH	Total EPH	102			12.2	15.9	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
FE052535.D	1	02/27/25	02/27/25	PB166886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.5		1.95	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	83.7	E	2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1441-01	Acq On:	27 Feb 2025 15:22
Client Sample ID:	HD-02-022625	Operator:	YP\AJ
Data file:	FE052535.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.799	4508495	28.93	300	ug/ml
Aliphatic C12-C16	6.800	10.251	20604620	128.397	200	ug/ml
Aliphatic C16-C21	10.252	13.629	15319567	95.438	300	ug/ml
Aliphatic C21-C28	13.630	17.301	9019971	58.042	400	ug/ml
Aliphatic C28-C40	17.302	22.224	144907506	1110	600	ug/ml
Aliphatic EPH	3.155	22.224	194360159	1420		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6143290	32.86		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	4908515	35.31		ug/ml
Aliphatic C9-C28	3.155	17.301	49452653	310.807	1200	ug/ml