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

Report of Analysis

Client:	PSEG	Date Collected:	07/22/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	07/22/25
Client Sample ID:	HD-02-07222025-E2	SDG No.:	Q2676
Lab Sample ID:	Q2676-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/24/25 11:53	PB168980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	125		10	12.3	20.8	mg/kg	FE055015.D
Aliphatic C9-C28	Aliphatic C9-C28	28.9		1	0.95	4.17	mg/kg	FE054999.D
Total AliphaticEPH	Total AliphaticEPH	154			13.2	25.0	mg/kg	
Total EPH	Total EPH	154			13.2	25.0	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
FE054999.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	28.9		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	116	E	1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2676-04	Acq On:	23 Jul 2025 21:25
Client Sample ID:	HD-02-07222025-E2	Operator:	YP\AJ
Data file:	FE054999.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	3012908	22.145	300	ug/ml
Aliphatic C12-C16	6.959	10.410	11829888	84.158	200	ug/ml
Aliphatic C16-C21	10.411	13.488	16933629	117.274	300	ug/ml
Aliphatic C21-C28	13.489	17.459	27831949	192.407	400	ug/ml
Aliphatic C28-C40	17.460	22.481	231507185	1670	600	ug/ml
Aliphatic EPH	3.325	22.481	291115559	2090		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	4562928	28.1		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4473769	35.42		ug/ml
Aliphatic C9-C28	3.325	17.459	59608374	415.984	1200	ug/ml