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

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	06/13/25
Client Sample ID:	HD-01-6132025-E2	SDG No.:	Q2324
Lab Sample ID:	Q2324-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
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
06/16/25 08:50	06/17/25 10:56	PB168485

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	62.1		2	2.49	4.21	mg/kg	FE054438.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	0.96	4.20	mg/kg	FE054420.D
Total AliphaticEPH	Total AliphaticEPH	72.3			3.45	8.41	mg/kg	
Total EPH	Total EPH	72.3			3.45	8.41	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054420.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.1	E	1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.1		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.6		40 - 140	93%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2324-02	Acq On:	16 Jun 2025 22:48
Client Sample ID:	HD-01-6132025-E2	Operator:	YP\AJ
Data file:	FE054420.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	734757	5.866	300	ug/ml
Aliphatic C12-C16	6.720	10.165	2539410	19.362	200	ug/ml
Aliphatic C16-C21	10.166	13.538	6200175	46.296	300	ug/ml
Aliphatic C21-C28	13.539	17.207	9397660	73.957	400	ug/ml
Aliphatic C28-C40	17.208	22.075	98816273	770.525	600	ug/ml
Aliphatic EPH	3.075	22.075	117688275	916.006		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	7704236	46.63		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	6355667	52.12		ug/ml
Aliphatic C9-C28	3.075	17.207	18872002	145.481	1200	ug/ml