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

Report of Analysis

Client:	PSEG	Date Collected:	09/04/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	09/04/25
Client Sample ID:	HD-01-09042025	SDG No.:	Q3027
Lab Sample ID:	Q3027-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/05/25 09:30	09/08/25 12:44	PB169567

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	162		5	6.24	10.6	mg/kg	FE055715.D
Aliphatic C9-C28	Aliphatic C9-C28	28.2		1	0.96	4.24	mg/kg	FE055703.D
Total AliphaticEPH	Total AliphaticEPH	190			7.20	14.8	mg/kg	
Total EPH	Total EPH	190			7.20	14.8	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
FE055703.D	1	09/05/25	09/05/25	PB169567

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	28.2		0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	160	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.6		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3027-01	Acq On:	05 Sep 2025 22:14
Client Sample ID:	HD-01-09042025	Operator:	YP\AJ
Data file:	FE055703.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	2770094	21.573	300	ug/ml
Aliphatic C12-C16	6.946	10.397	20131548	149.017	200	ug/ml
Aliphatic C16-C21	10.398	13.775	16660069	115.521	300	ug/ml
Aliphatic C21-C28	13.776	17.446	16299456	113.795	400	ug/ml
Aliphatic C28-C40	17.447	22.456	312459289	2270	600	ug/ml
Aliphatic EPH	3.311	22.456	368320456	2670		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	5192034	31.6		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4285105	34.27		ug/ml
Aliphatic C9-C28	3.311	17.446	55861167	399.906	1200	ug/ml