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-E2	SDG No.:	Q3027
Lab Sample ID:	Q3027-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.7
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
09/05/25 09:30	09/08/25 13:14	PB169567

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	173		5	6.16	10.4	mg/kg	FE055716.D
Aliphatic C9-C28	Aliphatic C9-C28	25.4		1	0.95	4.17	mg/kg	FE055704.D
Total AliphaticEPH	Total AliphaticEPH	198			7.11	14.6	mg/kg	
Total EPH	Total EPH	198			7.11	14.6	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
FE055704.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	25.4		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	146	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3027-02	Acq On:	05 Sep 2025 23:46
Client Sample ID:	HD-01-09042025-E2	Operator:	YP\AJ
Data file:	FE055704.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	2676793	20.847	300	ug/ml
Aliphatic C12-C16	6.946	10.397	17836268	132.027	200	ug/ml
Aliphatic C16-C21	10.398	13.775	14803265	102.646	300	ug/ml
Aliphatic C21-C28	13.776	17.446	15741712	109.901	400	ug/ml
Aliphatic C28-C40	17.447	22.456	290424240	2110	600	ug/ml
Aliphatic EPH	3.311	22.456	341482278	2470		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	5068390	30.85		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	4053324	32.41		ug/ml
Aliphatic C9-C28	3.311	17.446	51058038	365.421	1200	ug/ml