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

Report of Analysis

Client:	PSEG	Date Collected:	08/18/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	08/18/25
Client Sample ID:	HD-02-08182025-E2	SDG No.:	Q2897
Lab Sample ID:	Q2897-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/19/25 08:05	08/20/25 9:00	PB169296

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	154		10	13.4	22.7	mg/kg	FE055400.D
Aliphatic C9-C28	Aliphatic C9-C28	22.7		1	1.03	4.53	mg/kg	FE055391.D
Total AliphaticEPH	Total AliphaticEPH	177			14.4	27.2	mg/kg	
Total EPH	Total EPH	177			14.4	27.2	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
FE055391.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22.7		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	157	E	1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2897-02	Acq On:	19 Aug 2025 19:04
Client Sample ID:	HD-02-08182025-E2	Operator:	YP\AJ
Data file:	FE055391.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	1810386	15.502	300	ug/ml
Aliphatic C12-C16	6.952	10.402	7558714	60.36	200	ug/ml
Aliphatic C16-C21	10.403	13.781	17597886	139.218	300	ug/ml
Aliphatic C21-C28	13.782	17.453	10250589	85.063	400	ug/ml
Aliphatic C28-C40	17.454	22.471	236665769	2080	600	ug/ml
Aliphatic EPH	3.317	22.471	273883344	2380		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	4687991	32.83		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	5175340	48.13		ug/ml
Aliphatic C9-C28	3.317	17.453	37217575	300.143	1200	ug/ml