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

Report of Analysis

Client:	PSEG	Date Collected:	02/13/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	02/13/25
Client Sample ID:	HD-01-2132025-E2	SDG No.:	Q1366
Lab Sample ID:	Q1366-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/14/25 08:55	02/14/25 17:36	PB166728

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.8		1	2.11	2.35	mg/kg	FE052395.D
Aliphatic C9-C28	Aliphatic C9-C28	4.22	J	1	2.02	4.68	mg/kg	FE052395.D
Total AliphaticEPH	Total AliphaticEPH	38.0			4.13	7.03	mg/kg	
Total EPH	Total EPH	38.0			4.13	7.03	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
FE052395.D	1	02/14/25	02/14/25	PB166728

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.22	J	2.02	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		33.8		2.11	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.3		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1366-02	Acq On:	14 Feb 2025 17:36
Client Sample ID:	HD-01-2132025-E2	Operator:	YP\AJ
Data file:	FE052395.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.798	1080255	6.932	300	ug/ml
Aliphatic C12-C16	6.799	10.250	3224622	20.094	200	ug/ml
Aliphatic C16-C21	10.251	13.629	2142362	13.347	300	ug/ml
Aliphatic C21-C28	13.630	17.302	2136063	13.745	400	ug/ml
Aliphatic C28-C40	17.303	22.220	56675436	432.688	600	ug/ml
Aliphatic EPH	3.154	22.220	65258738	486.805		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	5289219	28.29		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	3977200	28.61		ug/ml
Aliphatic C9-C28	3.154	17.302	8583302	54.118	1200	ug/ml