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

Report of Analysis

Client:	PSEG		Date Collected:	01/17/25	
Project:	Harding Sub		Date Received:	01/17/25	
Client Sample ID:	HD-2-011725		SDG No.:	Q1132	
Lab Sample ID:	Q1132-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.9	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
01/20/25 09:37	01/21/25 11:50	PB166126

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	86.9		5	10.3	11.5	mg/kg	FE051986.D
Aliphatic C9-C28	Aliphatic C9-C28	7.94		1	1.97	4.59	mg/kg	FE051972.D
Total AliphaticEPH	Total AliphaticEPH	94.8			12.3	16.1	mg/kg	
Total EPH	Total EPH	94.8			12.3	16.1	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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Lab Sample ID:	Q1132-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.9	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051972.D	1	01/20/25	01/20/25	PB166126

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.94		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	88.1	E	2.07	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.4		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.2		40 - 140	42%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1132-04	Acq On:	20 Jan 2025 17:49
Client Sample ID:	HD-2-011725	Operator:	YP\AJ
Data file:	FE051972.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	7.102	747168	6.814	300	ug/ml
Aliphatic C12-C16	7.103	10.519	1704801	14.064	200	ug/ml
Aliphatic C16-C21	10.520	13.873	4914656	37.463	300	ug/ml
Aliphatic C21-C28	13.874	17.523	5993606	45.386	400	ug/ml
Aliphatic C28-C40	17.524	22.562	123587612	1150	600	ug/ml
Aliphatic EPH	3.522	22.562	136947843	1260		ug/ml
ortho-Terphenyl (SURR)	12.218	12.218	3029131	21.19		ug/ml
1-chlorooctadecane (SURR)	13.636	13.636	2575059	22.45		ug/ml
Aliphatic C9-C28	3.522	17.523	13360231	103.727	1200	ug/ml