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-E2			SDG No.:	Q1132
Lab Sample ID:	Q1132-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.7
Sample Wt/Vol:	30.02	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 12:19	PB166126

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	71.3		2	4.20	4.66	mg/kg	FE051987.D
Aliphatic C9-C28	Aliphatic C9-C28	2.54	J	1	2.01	4.67	mg/kg	FE051973.D
Total AliphaticEPH	Total AliphaticEPH	73.8			6.21	9.33	mg/kg	
Total EPH	Total EPH	73.8			6.21	9.33	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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Client Sample ID:	HD-2-011725-E2		SDG No.:	Q1132	
Lab Sample ID:	Q1132-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.7	
Sample Wt/Vol:	30.02	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
FE051973.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		2.54	J	2.01	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		71.2	E	2.10	2.33	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.9		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1132-06	Acq On:	20 Jan 2025 18:19
Client Sample ID:	HD-2-011725-E2	Operator:	YP\AJ
Data file:	FE051973.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	7.102	389137	3.549	300	ug/ml
Aliphatic C12-C16	7.103	10.519	562633	4.642	200	ug/ml
Aliphatic C16-C21	10.520	13.873	940289	7.168	300	ug/ml
Aliphatic C21-C28	13.874	17.523	2759659	20.897	400	ug/ml
Aliphatic C28-C40	17.524	22.562	98281109	916.013	600	ug/ml
Aliphatic EPH	3.522	22.562	102932827	952.268		ug/ml
ortho-Terphenyl (SURR)	12.218	12.218	3851353	26.95		ug/ml
1-chlorooctadecane (SURR)	13.637	13.637	3217359	28.05		ug/ml
Aliphatic C9-C28	3.522	17.523	4651718	36.256	1200	ug/ml