

Report of Analysis

Client:	PSEG	Date Collected:	01/17/25
Project:	Harding Sub	Date Received:	01/17/25
Client Sample ID:	HD-1-011725	SDG No.:	Q1132
Lab Sample ID:	Q1132-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/20/25 09:37	01/21/25 10:49	PB166126

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	51.8		2	4.06	4.51	mg/kg	FE051984.D
Aliphatic C9-C28	Aliphatic C9-C28	4.03	J	1	1.94	4.51	mg/kg	FE051967.D
Total AliphaticEPH	Total AliphaticEPH	55.8			6.00	9.02	mg/kg	
Total EPH	Total EPH	55.8			6.00	9.02	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
FE051967.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	4.03	J	1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.9	E	2.03	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.4		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1132-01	Acq On:	20 Jan 2025 15:18
Client Sample ID:	HD-1-011725	Operator:	YP\AJ
Data file:	FE051967.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	7.102	593744	5.415	300	ug/ml
Aliphatic C12-C16	7.103	10.519	568889	4.693	200	ug/ml
Aliphatic C16-C21	10.520	13.873	1080230	8.234	300	ug/ml
Aliphatic C21-C28	13.874	17.523	5380897	40.746	400	ug/ml
Aliphatic C28-C40	17.524	22.562	78376559	730.496	600	ug/ml
Aliphatic EPH	3.522	22.562	86000319	789.584		ug/ml
ortho-Terphenyl (SURR)	12.200	12.200	3863772	27.03		ug/ml
1-chlorooctadecane (SURR)	13.620	13.620	3263608	28.45		ug/ml
Aliphatic C9-C28	3.522	17.523	7623760	59.088	1200	ug/ml