

Report of Analysis

Client:	PSEG	Date Collected:	01/17/25
Project:	Harding Sub	Date Received:	01/17/25
Client Sample ID:	HD-1-011725-E2	SDG No.:	Q1132
Lab Sample ID:	Q1132-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.03 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 11:19	PB166126

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	86.8		5	10.5	11.7	mg/kg	FE051985.D
Aliphatic C9-C28	Aliphatic C9-C28	5.07		1	2.01	4.68	mg/kg	FE051971.D
Total AliphaticEPH	Total AliphaticEPH	91.9			12.5	16.4	mg/kg	
Total EPH	Total EPH	91.9			12.5	16.4	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
FE051971.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	5.07		2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	86.6	E	2.10	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1132-03	Acq On:	20 Jan 2025 17:19
Client Sample ID:	HD-1-011725-E2	Operator:	YP\AJ
Data file:	FE051971.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	7.102	411041	3.749	300	ug/ml
Aliphatic C12-C16	7.103	10.519	663717	5.476	200	ug/ml
Aliphatic C16-C21	10.520	13.873	3961418	30.197	300	ug/ml
Aliphatic C21-C28	13.874	17.523	3890094	29.457	400	ug/ml
Aliphatic C28-C40	17.524	22.562	119472543	1110	600	ug/ml
Aliphatic EPH	3.522	22.562	128398813	1180		ug/ml
ortho-Terphenyl (SURR)	12.216	12.216	3769860	26.38		ug/ml
1-chlorooctadecane (SURR)	13.634	13.634	3146127	27.43		ug/ml
Aliphatic C9-C28	3.522	17.523	8926270	68.879	1200	ug/ml