

Report of Analysis

Client:	PSEG	Date Collected:	11/19/24
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	11/19/24
Client Sample ID:	MH-4-EPH	SDG No.:	P4924
Lab Sample ID:	P4924-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
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
11/20/24 10:10	11/20/24 17:56	PB165131

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.7		1	1.90	2.11	mg/kg	FE051368.D
Aliphatic C9-C28	Aliphatic C9-C28	1.83	J	1	1.81	4.21	mg/kg	FE051368.D
Total AliphaticEPH	Total AliphaticEPH	17.5			3.71	6.32	mg/kg	
Total EPH	Total EPH	17.5			3.71	6.32	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
FE051368.D	1	11/20/24	11/20/24	PB165131

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.83	J	1.81	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.7		1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.2		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4924-02	Acq On:	20 Nov 2024 17:56
Client Sample ID:	MH-4-EPH	Operator:	YP\AJ
Data file:	FE051368.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	3.133	6.748	277304	1.982	300	ug/ml
Aliphatic C12-C16	6.749	10.181	578481	4.113	200	ug/ml
Aliphatic C16-C21	10.182	13.541	1128203	8.189	300	ug/ml
Aliphatic C21-C28	13.542	17.196	1844747	13.772	400	ug/ml
Aliphatic C28-C40	17.197	22.039	28751509	223.315	600	ug/ml
Aliphatic EPH	3.133	22.039	32580244	251.372		ug/ml
ortho-Terphenyl (SURR)	11.844	11.844	4689405	31.24		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	3860790	34.01		ug/ml
Aliphatic C9-C28	3.133	17.196	3828735	28.056	1200	ug/ml