

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	SDG No.:	P4924
Lab Sample ID:	P4924-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/20/24 10:10	11/20/24 17:26	PB165131

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	41.2		1	1.91	2.12	mg/kg	FE051367.D
Aliphatic C9-C28	Aliphatic C9-C28	4.24	U	1	1.83	4.24	mg/kg	FE051367.D
Total AliphaticEPH	Total AliphaticEPH	41.2			3.73	6.36	mg/kg	
Total EPH	Total EPH	41.2			3.73	6.36	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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Sample Wt/Vol:	30.01 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
FE051367.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	0.000	U	1.83	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.2		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4924-01	Acq On:	20 Nov 2024 17:26
Client Sample ID:	MH-4	Operator:	YP\AJ
Data file:	FE051367.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.748	243153	1.738	300	ug/ml
Aliphatic C12-C16	6.749	10.181	681333	4.845	200	ug/ml
Aliphatic C16-C21	10.182	13.541	993976	7.215	300	ug/ml
Aliphatic C21-C28	13.542	17.196	1326421	9.902	400	ug/ml
Aliphatic C28-C40	17.197	22.039	75026884	582.74	600	ug/ml
Aliphatic EPH	3.133	22.039	78271767	606.44		ug/ml
ortho-Terphenyl (SURR)	11.844	11.844	4445719	29.62		ug/ml
1-chlorooctadecane (SURR)	13.276	13.276	3652559	32.17		ug/ml
Aliphatic C9-C28	3.133	17.196	3244883	23.7	1200	ug/ml