

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	10/25/24
Client Sample ID:	HD-01-102524	SDG No.:	P4566
Lab Sample ID:	P4566-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/26/24 09:00	10/29/24 9:01	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	172		5	9.26	10.3	mg/kg	FE050875.D
Aliphatic C9-C28	Aliphatic C9-C28	23.3		1	1.77	4.12	mg/kg	FE050865.D
Total AliphaticEPH	Total AliphaticEPH	195			11.0	14.4	mg/kg	
Total EPH	Total EPH	195			11.0	14.4	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
FE050865.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.3		1.77	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	148	E	1.85	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4566-01	Acq On:	28 Oct 2024 17:23
Client Sample ID:	HD-01-102524	Operator:	YP\AJ
Data file:	FE050865.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.765	1156550	8.093	300	ug/ml
Aliphatic C12-C16	6.766	10.198	2654225	18.29	200	ug/ml
Aliphatic C16-C21	10.199	13.558	9438466	65.363	300	ug/ml
Aliphatic C21-C28	13.559	17.213	35302872	248.341	400	ug/ml
Aliphatic C28-C40	17.214	22.064	299342685	2160	600	ug/ml
Aliphatic EPH	3.147	22.064	347894798	2500		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4237654	26.88		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3774968	31.91		ug/ml
Aliphatic C9-C28	3.147	17.213	48552113	340.087	1200	ug/ml