

Report of Analysis

Client:	PSEG	Date Collected:	07/09/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	07/09/25
Client Sample ID:	HD-02-7-9-2025	SDG No.:	Q2546
Lab Sample ID:	Q2546-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/10/25 09:25	07/11/25 10:49	PB168786

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	75.5		5	6.25	10.6	mg/kg FE054806.D
Aliphatic C9-C28	Aliphatic C9-C28	19.5		1	0.97	4.24	mg/kg FE054791.D
Total AliphaticEPH	Total AliphaticEPH	95.0			7.21	14.8	mg/kg
Total EPH	Total EPH	95.0			7.21	14.8	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
FE054791.D	1	07/10/25	07/10/25	PB168786

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.5		0.97	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.1	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2546-01	Acq On:	10 Jul 2025 20:56
Client Sample ID:	HD-02-7-9-2025	Operator:	YP\AJ
Data file:	FE054791.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	2103499	15.461	300	ug/ml
Aliphatic C12-C16	6.953	10.404	7946540	56.532	200	ug/ml
Aliphatic C16-C21	10.405	13.781	12754672	88.333	300	ug/ml
Aliphatic C21-C28	13.782	17.452	16728969	115.65	400	ug/ml
Aliphatic C28-C40	17.453	22.471	129741954	935.768	600	ug/ml
Aliphatic EPH	3.319	22.471	169275634	1210		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	3664101	22.56		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	3395487	26.89		ug/ml
Aliphatic C9-C28	3.319	17.452	39533680	275.976	1200	ug/ml