

Report of Analysis

Client:	PSEG	Date Collected:	07/22/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	07/22/25
Client Sample ID:	HD-01-07222025	SDG No.:	Q2676
Lab Sample ID:	Q2676-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/23/25 19:55	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	28.3		1	1.26	2.14	mg/kg FE054996.D
Aliphatic C9-C28	Aliphatic C9-C28	8.35		1	0.97	4.28	mg/kg FE054996.D
Total AliphaticEPH	Total AliphaticEPH	36.6			2.23	6.42	mg/kg
Total EPH	Total EPH	36.6			2.23	6.42	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
FE054996.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.35		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.3		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2676-01	Acq On:	23 Jul 2025 19:55
Client Sample ID:	HD-01-07222025	Operator:	YP\AJ
Data file:	FE054996.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	3.325	6.958	1385624	10.184	300	ug/ml
Aliphatic C12-C16	6.959	10.410	3992477	28.402	200	ug/ml
Aliphatic C16-C21	10.411	13.488	2393876	16.579	300	ug/ml
Aliphatic C21-C28	13.489	17.459	8959678	61.94	400	ug/ml
Aliphatic C28-C40	17.460	22.481	54967488	396.455	600	ug/ml
Aliphatic EPH	3.325	22.481	71699143	513.56		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	4992925	30.75		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	4038359	31.98		ug/ml
Aliphatic C9-C28	3.325	17.459	16731655	117.105	1200	ug/ml