

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	
Client Sample ID:	HD-02-08182025MS	SDG No.:	Q2897
Lab Sample ID:	Q2897-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/19/25 08:05	08/19/25 18:03	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	310			2.39	6.84	mg/kg
Total EPH	Total EPH	310			2.39	6.84	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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	
Client Sample ID:	HD-02-08182025MS	SDG No.:	Q2897
Lab Sample ID:	Q2897-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 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
FE055389.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	87.7		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	222	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2897-01MS	Acq On:	19 Aug 2025 18:03
Client Sample ID:	Q2897-01MS	Operator:	YP\AJ
Data file:	FE055389.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	18560894	158.935	300	ug/ml
Aliphatic C12-C16	6.952	10.402	33076169	264.13	200	ug/ml
Aliphatic C16-C21	10.403	13.781	38373059	303.573	300	ug/ml
Aliphatic C21-C28	13.782	17.453	51392376	426.473	400	ug/ml
Aliphatic C28-C40	17.454	22.471	332827240	2920	600	ug/ml
Aliphatic EPH	3.317	22.471	474229738	4070		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4596005	32.18		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3716129	34.56		ug/ml
Aliphatic C9-C28	3.317	17.453	141402498	1150	1200	ug/ml