

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	
Client Sample ID:	HD-02-08182025MSD	SDG No.:	Q2897
Lab Sample ID:	Q2897-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.04 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 18:33	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	331			2.39	6.84	mg/kg
Total EPH	Total EPH	331			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

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055390.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	93.6	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	237	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2897-01MSD	Acq On:	19 Aug 2025 18:33
Client Sample ID:	Q2897-01MSD	Operator:	YP\AJ
Data file:	FE055390.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	19927313	170.636	300	ug/ml
Aliphatic C12-C16	6.952	10.402	35857697	286.341	200	ug/ml
Aliphatic C16-C21	10.403	13.781	41292752	326.671	300	ug/ml
Aliphatic C21-C28	13.782	17.453	53683646	445.486	400	ug/ml
Aliphatic C28-C40	17.454	22.471	355883022	3120	600	ug/ml
Aliphatic EPH	3.317	22.471	506644430	4350		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	4316541	30.23		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3577554	33.27		ug/ml
Aliphatic C9-C28	3.317	17.453	150761408	1230	1200	ug/ml