

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	
Client Sample ID:	PB169296BS	SDG No.:	Q2897
Lab Sample ID:	PB169296BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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 13:30	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.8		1	1.18	2.00	mg/kg	FE055380.D
Aliphatic C9-C28	Aliphatic C9-C28	79.0		1	0.91	3.99	mg/kg	FE055380.D
Total AliphaticEPH	Total AliphaticEPH	109			2.09	5.99	mg/kg	
Total EPH	Total EPH	109			2.09	5.99	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
FE055380.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	79.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.8		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169296BS	Acq On:	19 Aug 2025 13:30
Client Sample ID:	PB169296BS	Operator:	YP\AJ
Data file:	FE055380.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	23304813	199.557	300	ug/ml
Aliphatic C12-C16	6.952	10.402	32847112	262.3	200	ug/ml
Aliphatic C16-C21	10.403	13.781	38751157	306.564	300	ug/ml
Aliphatic C21-C28	13.782	17.453	50288511	417.312	400	ug/ml
Aliphatic C28-C40	17.454	22.471	50923934	446.751	600	ug/ml
Aliphatic EPH	3.317	22.471	196115527	1630		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	6072033	42.52		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4808301	44.72		ug/ml
Aliphatic C9-C28	3.317	17.453	145191593	1190	1200	ug/ml