

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	
Client Sample ID:	PB169296BSD	SDG No.:	Q2897
Lab Sample ID:	PB169296BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 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 14:01	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1	1.18	2.00	mg/kg	FE055381.D
Aliphatic C9-C28	Aliphatic C9-C28	79.1		1	0.91	4.00	mg/kg	FE055381.D
Total AliphaticEPH	Total AliphaticEPH	109			2.09	6.00	mg/kg	
Total EPH	Total EPH	109			2.09	6.00	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
FE055381.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	79.1		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.4		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.3		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169296BSD	Acq On:	19 Aug 2025 14:01
Client Sample ID:	PB169296BSD	Operator:	YP\AJ
Data file:	FE055381.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	23586711	201.971	300	ug/ml
Aliphatic C12-C16	6.952	10.402	32846735	262.297	200	ug/ml
Aliphatic C16-C21	10.403	13.781	38569609	305.128	300	ug/ml
Aliphatic C21-C28	13.782	17.453	50254666	417.031	400	ug/ml
Aliphatic C28-C40	17.454	22.471	51577379	452.484	600	ug/ml
Aliphatic EPH	3.317	22.471	196835100	1640		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	6033702	42.25		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4772347	44.38		ug/ml
Aliphatic C9-C28	3.317	17.453	145257721	1190	1200	ug/ml