

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	09/26/25
Client Sample ID:	HD-01-092625-E2	SDG No.:	Q3221
Lab Sample ID:	Q3221-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
09/29/25 09:50	09/30/25 12:40	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	79.2		5	6.85	11.6	mg/kg	FE056085.D
Aliphatic C9-C28	Aliphatic C9-C28	28.6		1	1.06	4.64	mg/kg	FE056063.D
Total AliphaticEPH	Total AliphaticEPH	108			7.91	16.2	mg/kg	
Total EPH	Total EPH	108			7.91	16.2	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
FE056063.D	1	09/29/25	09/30/25	PB169891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	28.6		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.4	E	1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3221-02	Acq On:	30 Sep 2025 01:02
Client Sample ID:	HD-01-092625-E2	Operator:	YP\AJ
Data file:	FE056063.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	814777	5.819	300	ug/ml
Aliphatic C12-C16	6.947	10.396	6246909	40.729	200	ug/ml
Aliphatic C16-C21	10.397	13.773	25668943	154.744	300	ug/ml
Aliphatic C21-C28	13.774	17.443	24893152	167.6	400	ug/ml
Aliphatic C28-C40	17.444	22.449	148554150	1090	600	ug/ml
Aliphatic EPH	3.315	22.449	206177931	1460		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	4613166	24.58		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4675237	33.5		ug/ml
Aliphatic C9-C28	3.315	17.443	57623781	368.892	1200	ug/ml