

Report of Analysis

Client:	PSEG	Date Collected:	05/22/25
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	05/22/25
Client Sample ID:	HD-02-05222025	SDG No.:	Q2113
Lab Sample ID:	Q2113-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/23/25 08:00	05/27/25 11:05	PB168138

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	96.4		5	6.60	11.2	mg/kg	FE054017.D
Aliphatic C9-C28	Aliphatic C9-C28	14.2		1	1.02	4.48	mg/kg	FE054005.D
Total AliphaticEPH	Total AliphaticEPH	111			7.62	15.7	mg/kg	
Total EPH	Total EPH	111			7.62	15.7	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054005.D	1	05/23/25	05/23/25	PB168138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.2		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.9	E	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2113-01	Acq On:	23 May 2025 17:50
Client Sample ID:	HD-02-05222025	Operator:	YP\AJ
Data file:	FE054005.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.093	6.735	923900	6.815	300	ug/ml
Aliphatic C12-C16	6.736	10.183	7398762	54.829	200	ug/ml
Aliphatic C16-C21	10.184	13.557	8405150	63.718	300	ug/ml
Aliphatic C21-C28	13.558	17.224	8095461	65.193	400	ug/ml
Aliphatic C28-C40	17.225	22.101	152971604	1330	600	ug/ml
Aliphatic EPH	3.093	22.101	177794877	1520		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	6487966	39.92		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	5346637	45.1		ug/ml
Aliphatic C9-C28	3.093	17.224	24823273	190.555	1200	ug/ml