

Report of Analysis

Client:	PSEG	Date Collected:	06/06/25
Project:	PSEG East Edison Test Pits	Date Received:	06/06/25
Client Sample ID:	TP10-MHG-WC	SDG No.:	Q2260
Lab Sample ID:	Q2260-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/09/25 20:41	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1	1.30	2.20	mg/kg	FE054257.D
Aliphatic C9-C28	Aliphatic C9-C28	3.41	J	1	1.00	4.40	mg/kg	FE054257.D
Total AliphaticEPH	Total AliphaticEPH	33.1			2.30	6.60	mg/kg	
Total EPH	Total EPH	33.1			2.30	6.60	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054257.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.41	J	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2260-01	Acq On:	09 Jun 2025 20:41
Client Sample ID:	TP10-MHG-WC	Operator:	YP\AJ
Data file:	FE054257.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	264515	1.951	300	ug/ml
Aliphatic C12-C16	6.728	10.174	1038295	7.694	200	ug/ml
Aliphatic C16-C21	10.175	13.548	1792220	13.587	300	ug/ml
Aliphatic C21-C28	13.549	17.217	3127475	25.186	400	ug/ml
Aliphatic C28-C40	17.218	22.094	46610812	403.799	600	ug/ml
Aliphatic EPH	3.082	22.094	52833317	452.217		ug/ml
ortho-Terphenyl (SURR)	11.839	11.839	5329975	32.8		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4395929	37.08		ug/ml
Aliphatic C9-C28	3.082	17.217	6222505	48.418	1200	ug/ml