

Report of Analysis

Client:	PSEG	Date Collected:	06/07/25
Project:	PSEG East Edison Test Pits	Date Received:	06/09/25
Client Sample ID:	TP12-MHK-WC	SDG No.:	Q2271
Lab Sample ID:	Q2271-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
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
06/10/25 08:41	06/10/25 16:48	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.15		1	1.33	2.25	mg/kg FE054290.D
Aliphatic C9-C28	Aliphatic C9-C28	7.93		1	1.02	4.51	mg/kg FE054290.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.35	6.76	mg/kg
Total EPH	Total EPH	13.1			2.35	6.76	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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Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054290.D	1	06/10/25	06/10/25	PB168374

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.93		1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.15		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2271-01	Acq On:	10 Jun 2025 16:48
Client Sample ID:	TP12-MHK-WC	Operator:	YP\AJ
Data file:	FE054290.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	285718	2.281	300	ug/ml
Aliphatic C12-C16	6.726	10.172	944336	7.2	200	ug/ml
Aliphatic C16-C21	10.173	13.546	11749946	87.735	300	ug/ml
Aliphatic C21-C28	13.547	17.214	1086524	8.551	400	ug/ml
Aliphatic C28-C40	17.215	22.084	8802240	68.636	600	ug/ml
Aliphatic EPH	3.080	22.084	22868764	174.403		ug/ml
ortho-Terphenyl (SURR)	11.833	11.833	5792506	35.06		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	4533395	37.17		ug/ml
Aliphatic C9-C28	3.080	17.214	14066524	105.767	1200	ug/ml