

Report of Analysis

Client:	PSEG	Date Collected:	05/19/25
Project:	PSEG East Edison Test Pits	Date Received:	05/20/25
Client Sample ID:	TP-1-MHE	SDG No.:	Q2101
Lab Sample ID:	Q2101-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
05/22/25 09:30	05/22/25 15:39	PB168127

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1	1.26	2.13	mg/kg	FE053976.D
Aliphatic C9-C28	Aliphatic C9-C28	5.38		1	0.97	4.25	mg/kg	FE053976.D
Total AliphaticEPH	Total AliphaticEPH	9.09			2.23	6.38	mg/kg	
Total EPH	Total EPH	9.09			2.23	6.38	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

Report of Analysis

Client:	PSEG	Date Collected:	05/19/25
Project:	PSEG East Edison Test Pits	Date Received:	05/20/25
Client Sample ID:	TP-1-MHE	SDG No.:	Q2101
Lab Sample ID:	Q2101-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.01 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
FE053976.D	1	05/22/25	05/22/25	PB168127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.38		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.5		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2101-01	Acq On:	22 May 2025 15:39
Client Sample ID:	TP-1-MHE	Operator:	YP\AJ
Data file:	FE053976.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	311412	2.297	300	ug/ml
Aliphatic C12-C16	6.736	10.183	744262	5.515	200	ug/ml
Aliphatic C16-C21	10.184	13.557	7799409	59.126	300	ug/ml
Aliphatic C21-C28	13.558	17.224	1102002	8.874	400	ug/ml
Aliphatic C28-C40	17.225	22.098	6028140	52.223	600	ug/ml
Aliphatic EPH	3.094	22.098	15985225	128.036		ug/ml
ortho-Terphenyl (SURR)	11.845	11.845	7312565	45		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	5745359	48.46		ug/ml
Aliphatic C9-C28	3.094	17.224	9957085	75.812	1200	ug/ml