

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG East Edison Test Pits	Date Received:	06/05/25
Client Sample ID:	TP09-MHJ	SDG No.:	Q2242
Lab Sample ID:	Q2242-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
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
06/06/25 10:00	06/06/25 22:55	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.77		1	1.41	2.39	mg/kg	FE054233.D
Aliphatic C9-C28	Aliphatic C9-C28	4.80	U	1	1.09	4.80	mg/kg	FE054233.D
Total AliphaticEPH	Total AliphaticEPH	9.77			2.50	7.19	mg/kg	
Total EPH	Total EPH	9.77			2.50	7.19	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:	06/05/25
Project:	PSEG East Edison Test Pits	Date Received:	06/05/25
Client Sample ID:	TP09-MHJ	SDG No.:	Q2242
Lab Sample ID:	Q2242-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054233.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.77		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2242-01	Acq On:	06 Jun 2025 22:55
Client Sample ID:	TP09-MHJ	Operator:	YP\AJ
Data file:	FE054233.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	191198	1.41	300	ug/ml
Aliphatic C12-C16	6.726	10.172	447838	3.319	200	ug/ml
Aliphatic C16-C21	10.173	13.547	356766	2.705	300	ug/ml
Aliphatic C21-C28	13.548	17.214	916655	7.382	400	ug/ml
Aliphatic C28-C40	17.215	22.084	14140368	122.501	600	ug/ml
Aliphatic EPH	3.080	22.084	16052825	137.316		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	4085731	25.14		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	3428710	28.92		ug/ml
Aliphatic C9-C28	3.080	17.214	1912457	14.816	1200	ug/ml