

Report of Analysis

Client:	PSEG	Date Collected:	05/20/25
Project:	PSEG East Edison Test Pits	Date Received:	05/22/25
Client Sample ID:	TP-02-MHF	SDG No.:	Q2109
Lab Sample ID:	Q2109-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/23/25 08:55	05/23/25 15:49	PB168138

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	28.9		1	1.35	2.29	mg/kg FE054001.D
Aliphatic C9-C28	Aliphatic C9-C28	64.6		1	1.04	4.56	mg/kg FE054001.D
Total AliphaticEPH	Total AliphaticEPH	93.5			2.39	6.85	mg/kg
Total EPH	Total EPH	93.5			2.39	6.85	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:	05/20/25
Project:	PSEG East Edison Test Pits	Date Received:	05/22/25
Client Sample ID:	TP-02-MHF	SDG No.:	Q2109
Lab Sample ID:	Q2109-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.07 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
FE054001.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	64.6		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.9		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.0		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2109-01	Acq On:	23 May 2025 15:49
Client Sample ID:	TP-02-MHF	Operator:	YP\AJ
Data file:	FE054001.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.093	6.735	1685451	12.433	300	ug/ml
Aliphatic C12-C16	6.736	10.183	17803422	131.934	200	ug/ml
Aliphatic C16-C21	10.184	13.557	47725375	361.8	300	ug/ml
Aliphatic C21-C28	13.558	17.224	42313087	340.748	400	ug/ml
Aliphatic C28-C40	17.225	22.101	43849099	379.873	600	ug/ml
Aliphatic EPH	3.093	22.101	153376434	1230		ug/ml
ortho-Terphenyl (SURR)	11.845	11.845	6122869	37.68		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	6040711	50.96		ug/ml
Aliphatic C9-C28	3.093	17.224	109527335	846.915	1200	ug/ml