

Report of Analysis

Client:	PSEG	Date Collected:	06/03/25
Project:	PSEG East Edison Test Pits	Date Received:	06/04/25
Client Sample ID:	TP07-MHH-WC	SDG No.:	Q2227
Lab Sample ID:	Q2227-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.5
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 23:58	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	1.44	2.45	mg/kg	FG015981.D
Aliphatic C9-C28	Aliphatic C9-C28	4.89	U	1	1.11	4.89	mg/kg	FG015981.D
Total AliphaticEPH	Total AliphaticEPH	26.3			2.55	7.34	mg/kg	
Total EPH	Total EPH	26.3			2.55	7.34	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:	81.5
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
FG015981.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	1.11	4.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1.44	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.0		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.7		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2227-01	Acq On:	06 Jun 2025 23:58
Client Sample ID:	TP07-MHH-WC	Operator:	YP\AJ
Data file:	FG015981.D	Misc:	
Instrument:	FID_G	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	392799	3.46	300	ug/ml
Aliphatic C12-C16	6.762	10.209	679783	5.824	200	ug/ml
Aliphatic C16-C21	10.210	13.585	426177	3.488	300	ug/ml
Aliphatic C21-C28	13.586	17.255	714448	5.947	400	ug/ml
Aliphatic C28-C40	17.256	22.148	35627928	322.619	600	ug/ml
Aliphatic EPH	3.118	22.148	37841135	341.337		ug/ml
ortho-Terphenyl (SURR)	11.877	11.877	3386159	22.74		ug/ml
1-chlorooctadecane (SURR)	13.323	13.323	2884823	25.04		ug/ml
Aliphatic C9-C28	3.118	17.255	2213207	18.719	1200	ug/ml