

Report of Analysis

Client:	PSEG	Date Collected:	06/06/25
Project:	PSEG East Edison Test Pits	Date Received:	06/06/25
Client Sample ID:	TP11-MHL-EPH	SDG No.:	Q2265
Lab Sample ID:	Q2265-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/10/25 2:58	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.91		1	1.43	2.43	mg/kg	FC069148.D
Aliphatic C9-C28	Aliphatic C9-C28	2.80	J	1	1.11	4.87	mg/kg	FC069148.D
Total AliphaticEPH	Total AliphaticEPH	5.71	J		2.54	7.30	mg/kg	
Total EPH	Total EPH	5.71	J		2.54	7.30	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069148.D	1	06/09/25	06/10/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.80	J	1.11	4.87	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.91		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.7		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2265-03	Acq On:	10 Jun 2025 02:58
Client Sample ID:	TP-MHL-EPH	Operator:	YP/AJ
Data file:	FC069148.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	302771	2.864	300	ug/ml
Aliphatic C12-C16	6.603	10.008	776857	7.617	200	ug/ml
Aliphatic C16-C21	10.009	13.379	975673	9.97	300	ug/ml
Aliphatic C21-C28	13.380	17.047	1321943	14.093	400	ug/ml
Aliphatic C28-C40	17.048	22.037	3396152	35.961	600	ug/ml
Aliphatic EPH	3.299	22.037	6773396	70.505		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	4405114	35.71		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3736495	41.65		ug/ml
Aliphatic C9-C28	3.299	17.047	3377244	34.544	1200	ug/ml