

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-WC	SDG No.:	Q2265
Lab Sample ID:	Q2265-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.08	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 0:21	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.03		1	1.37	2.33	mg/kg	FC069144.D
Aliphatic C9-C28	Aliphatic C9-C28	2.32	J	1	1.06	4.65	mg/kg	FC069144.D
Total AliphaticEPH	Total AliphaticEPH	5.35	J		2.43	6.98	mg/kg	
Total EPH	Total EPH	5.35	J		2.43	6.98	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:	85.7
Sample Wt/Vol:	30.08 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
FC069144.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	2.32	J	1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.03		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2265-01	Acq On:	10 Jun 2025 00:21
Client Sample ID:	TP-MHL-WC	Operator:	YP/AJ
Data file:	FC069144.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	282087	2.668	300	ug/ml
Aliphatic C12-C16	6.603	10.008	821814	8.058	200	ug/ml
Aliphatic C16-C21	10.009	13.379	772386	7.892	300	ug/ml
Aliphatic C21-C28	13.380	17.047	1059257	11.292	400	ug/ml
Aliphatic C28-C40	17.048	22.037	3689214	39.065	600	ug/ml
Aliphatic EPH	3.299	22.037	6624758	68.976		ug/ml
ortho-Terphenyl (SURR)	11.681	11.681	5120285	41.51		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3929004	43.79		ug/ml
Aliphatic C9-C28	3.299	17.047	2935544	29.91	1200	ug/ml