

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG East Edison Test Pits	Date Received:	
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2159
Lab Sample ID:	Q2159-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/02/25 09:15	06/02/25 16:57	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	116			2.51	7.20	mg/kg
Total EPH	Total EPH	116			2.51	7.20	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
FC069058.D	1	06/02/25	06/02/25	PB168231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	85.0		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.9		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.8		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.4		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2159-01MS	Acq On:	02 Jun 2025 16:57
Client Sample ID:	Q2159-01MS	Operator:	YP/AJ
Data file:	FC069058.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.604	16937622	160.216	300	ug/ml
Aliphatic C12-C16	6.605	10.008	23140953	226.904	200	ug/ml
Aliphatic C16-C21	10.009	13.379	28384524	290.037	300	ug/ml
Aliphatic C21-C28	13.380	17.046	36090988	384.749	400	ug/ml
Aliphatic C28-C40	17.047	22.036	36398173	385.414	600	ug/ml
Aliphatic EPH	3.301	22.036	140952260	1450		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	5223799	42.35		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4108068	45.79		ug/ml
Aliphatic C9-C28	3.301	17.046	104554087	1060	1200	ug/ml