

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG East Edison Test Pits	Date Received:	
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2159
Lab Sample ID:	Q2159-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
06/02/25 09:15	06/02/25 17:36	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	119			2.51	7.20	mg/kg
Total EPH	Total EPH	119			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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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
FC069059.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	87.5		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.9		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.4		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2159-01MSD	Acq On:	02 Jun 2025 17:36
Client Sample ID:	Q2159-01MSD	Operator:	YP/AJ
Data file:	FC069059.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.604	17487611	165.418	300	ug/ml
Aliphatic C12-C16	6.605	10.008	23932484	234.666	200	ug/ml
Aliphatic C16-C21	10.009	13.379	29262602	299.01	300	ug/ml
Aliphatic C21-C28	13.380	17.046	36794830	392.253	400	ug/ml
Aliphatic C28-C40	17.047	22.036	37620737	398.36	600	ug/ml
Aliphatic EPH	3.301	22.036	145098264	1490		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	5381170	43.63		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4249655	47.37		ug/ml
Aliphatic C9-C28	3.301	17.046	107477527	1090	1200	ug/ml