

Report of Analysis

Client:	PSEG	Date Collected:	05/29/25
Project:	PSEG Oak Tree Road Test Pits	Date Received:	05/29/25
Client Sample ID:	TP04-MHG-WC	SDG No.:	Q2160
Lab Sample ID:	Q2160-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.1	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 18:52	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.75		1	1.35	2.28	mg/kg	FC069061.D
Aliphatic C9-C28	Aliphatic C9-C28	2.37	J	1	1.04	4.56	mg/kg	FC069061.D
Total AliphaticEPH	Total AliphaticEPH	5.12	J		2.39	6.84	mg/kg	
Total EPH	Total EPH	5.12	J		2.39	6.84	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:	30.1 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
FC069061.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	2.37	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.75		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2160-01	Acq On:	02 Jun 2025 18:52
Client Sample ID:	TP04-MHG-WC	Operator:	YP/AJ
Data file:	FC069061.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	3.301	6.604	334594	3.165	300	ug/ml
Aliphatic C12-C16	6.605	10.008	838223	8.219	200	ug/ml
Aliphatic C16-C21	10.009	13.379	739524	7.557	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1141990	12.174	400	ug/ml
Aliphatic C28-C40	17.047	22.036	3415451	36.166	600	ug/ml
Aliphatic EPH	3.301	22.036	6469782	67.28		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	5402206	43.8		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4258219	47.46		ug/ml
Aliphatic C9-C28	3.301	17.046	3054331	31.115	1200	ug/ml