

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	PSEG Oak Tree Road Test Pits	Date Received:	06/02/25
Client Sample ID:	TP02-MHB-WC	SDG No.:	Q2185
Lab Sample ID:	Q2185-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/04/25 11:45	06/04/25 17:53	PB168287

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.17		1	1.38	2.33	mg/kg	FC069071.D
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	1	1.06	4.68	mg/kg	FC069071.D
Total AliphaticEPH	Total AliphaticEPH	5.78	J		2.44	7.01	mg/kg	
Total EPH	Total EPH	5.78	J		2.44	7.01	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069071.D	1	06/04/25	06/04/25	PB168287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.17		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.9		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:	Q2185-01	Acq On:	04 Jun 2025 17:53
Client Sample ID:	TP02-MHB-WC	Operator:	YP/AJ
Data file:	FC069071.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.604	331037	3.131	300	ug/ml
Aliphatic C12-C16	6.605	10.009	872254	8.553	200	ug/ml
Aliphatic C16-C21	10.010	13.380	792500	8.098	300	ug/ml
Aliphatic C21-C28	13.381	17.049	1285681	13.706	400	ug/ml
Aliphatic C28-C40	17.050	22.036	3846890	40.734	600	ug/ml
Aliphatic EPH	3.300	22.036	7128362	74.222		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	5229980	42.4		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4121027	45.94		ug/ml
Aliphatic C9-C28	3.300	17.049	3281472	33.488	1200	ug/ml