

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:	TP01-MHB-EPH	SDG No.:	Q2185
Lab Sample ID:	Q2185-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.05 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 17:23	PB168287

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.5		1	1.33	2.25	mg/kg	FE054174.D
Aliphatic C9-C28	Aliphatic C9-C28	4.92		1	1.02	4.51	mg/kg	FE054174.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.36	6.76	mg/kg	
Total EPH	Total EPH	17.4			2.36	6.76	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
FE054174.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	4.92		1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.5		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.6		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2185-07	Acq On:	04 Jun 2025 17:23
Client Sample ID:	TP01-MHB-EPH	Operator:	YP\AJ
Data file:	FE054174.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.728	282761	2.086	300	ug/ml
Aliphatic C12-C16	6.729	10.176	973132	7.212	200	ug/ml
Aliphatic C16-C21	10.177	13.550	6206719	47.052	300	ug/ml
Aliphatic C21-C28	13.551	17.217	1396071	11.243	400	ug/ml
Aliphatic C28-C40	17.218	22.089	19278060	167.01	600	ug/ml
Aliphatic EPH	3.084	22.089	28136743	234.602		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	6919204	42.58		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	5647136	47.64		ug/ml
Aliphatic C9-C28	3.084	17.217	8858683	67.593	1200	ug/ml