

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG Oak Tree Road Test Pits	Date Received:	06/05/25
Client Sample ID:	TP03-MHC-EPH	SDG No.:	Q2244
Lab Sample ID:	Q2244-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.1
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
06/06/25 10:00	06/07/25 0:26	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.30		1	1.21	2.06	mg/kg	FE054236.D
Aliphatic C9-C28	Aliphatic C9-C28	3.10	J	1	0.94	4.12	mg/kg	FE054236.D
Total AliphaticEPH	Total AliphaticEPH	10.4			2.15	6.17	mg/kg	
Total EPH	Total EPH	10.4			2.15	6.17	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
FE054236.D	1	06/06/25	06/07/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.10	J	0.94	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.30		1.21	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2244-03	Acq On:	07 Jun 2025 00:26
Client Sample ID:	TP03-MHC-EPH	Operator:	YP\AJ
Data file:	FE054236.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	266899	1.969	300	ug/ml
Aliphatic C12-C16	6.726	10.172	506176	3.751	200	ug/ml
Aliphatic C16-C21	10.173	13.547	4283662	32.474	300	ug/ml
Aliphatic C21-C28	13.548	17.214	1103388	8.886	400	ug/ml
Aliphatic C28-C40	17.215	22.084	12296197	106.524	600	ug/ml
Aliphatic EPH	3.080	22.084	18456322	153.604		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	4620780	28.43		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	3791495	31.98		ug/ml
Aliphatic C9-C28	3.080	17.214	6160125	47.08	1200	ug/ml