

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	SDG No.:	Q2244
Lab Sample ID:	Q2244-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.08 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	06/06/25 23:56	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.58		1	1.29	2.18	mg/kg	FE054235.D
Aliphatic C9-C28	Aliphatic C9-C28	4.36	U	1	0.99	4.36	mg/kg	FE054235.D
Total AliphaticEPH	Total AliphaticEPH	7.58			2.28	6.54	mg/kg	
Total EPH	Total EPH	7.58			2.28	6.54	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
FE054235.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.58		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.9		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2244-01	Acq On:	06 Jun 2025 23:56
Client Sample ID:	TP03-MHC	Operator:	YP\AJ
Data file:	FE054235.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	222514	1.641	300	ug/ml
Aliphatic C12-C16	6.726	10.172	680589	5.044	200	ug/ml
Aliphatic C16-C21	10.173	13.547	513953	3.896	300	ug/ml
Aliphatic C21-C28	13.548	17.214	910343	7.331	400	ug/ml
Aliphatic C28-C40	17.215	22.084	12027385	104.196	600	ug/ml
Aliphatic EPH	3.080	22.084	14354784	122.108		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	4043399	24.88		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	3298975	27.83		ug/ml
Aliphatic C9-C28	3.080	17.214	2327399	17.912	1200	ug/ml