284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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:	TP05-MHH-EPH	SDG No.:	Q2160
Lab Sample ID:	Q2160-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/02/25 09:15	06/02/25 15:48	PB168231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.92		1	1.44	2.43	mg/kg	FE054123.D
Aliphatic C9-C28	Aliphatic C9-C28	7.61		1	1.11	4.87	mg/kg	FE054123.D
Total AliphaticEPH	Total AliphaticEPH	15.5			2.55	7.30	mg/kg	
Total EPH	Total EPH	15.5			2.55	7.30	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
FE054123.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	7.61		1.11	4.87	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.92		1.44	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.8		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.5		40 - 140	109%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2160-07	Acq On:	02 Jun 2025 15:48
Client Sample ID:	TP05-MHH-EPH	Operator:	YP\AJ
Data file:	FE054123.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.087	6.734	760111	5.607	300	ug/ml
Aliphatic C12-C16	6.735	10.181	2592446	19.212	200	ug/ml
Aliphatic C16-C21	10.182	13.556	7830594	59.363	300	ug/ml
Aliphatic C21-C28	13.557	17.226	1204408	9.699	400	ug/ml
Aliphatic C28-C40	17.227	22.106	11269142	97.627	600	ug/ml
Aliphatic EPH	3.087	22.106	23656701	191.507		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	8859764	54.52		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	7085393	59.77		ug/ml
Aliphatic C9-C28	3.087	17.226	12387559	93.881	1200	ug/ml