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

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-WC	SDG No.:	Q2185
Lab Sample ID:	Q2185-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
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 16:53	PB168287

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.0		1	1.34	2.27	mg/kg	FE054173.D
Aliphatic C9-C28	Aliphatic C9-C28	4.59		1	1.03	4.56	mg/kg	FE054173.D
Total AliphaticEPH	Total AliphaticEPH	26.6			2.37	6.83	mg/kg	
Total EPH	Total EPH	26.6			2.37	6.83	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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Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054173.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	4.59		1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.0		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2185-05	Acq On:	04 Jun 2025 16:53
Client Sample ID:	TP01-MHB-WC	Operator:	YP\AJ
Data file:	FE054173.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.728	237474	1.752	300	ug/ml
Aliphatic C12-C16	6.729	10.176	901378	6.68	200	ug/ml
Aliphatic C16-C21	10.177	13.550	5693478	43.162	300	ug/ml
Aliphatic C21-C28	13.551	17.217	1327249	10.688	400	ug/ml
Aliphatic C28-C40	17.218	22.089	33489910	290.13	600	ug/ml
Aliphatic EPH	3.084	22.089	41649489	352.411		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	6302242	38.78		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	5081902	42.87		ug/ml
Aliphatic C9-C28	3.084	17.217	8159579	62.282	1200	ug/ml