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:	TP02-MHB-EPH	SDG No.:	Q2185
Lab Sample ID:	Q2185-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.1 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 20:34	PB168287

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.68		1	1.36	2.31	mg/kg	FC069075.D
Aliphatic C9-C28	Aliphatic C9-C28	2.43	J	1	1.05	4.61	mg/kg	FC069075.D
Total AliphaticEPH	Total AliphaticEPH	5.11	J		2.41	6.92	mg/kg	
Total EPH	Total EPH	5.11	J		2.41	6.92	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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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069075.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		2.43	J	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.68		1.36	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.7		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2185-03	Acq On:	04 Jun 2025 20:34
Client Sample ID:	TP02-MHB-EPH	Operator:	YP/AJ
Data file:	FC069075.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.604	314416	2.974	300	ug/ml
Aliphatic C12-C16	6.605	10.009	789418	7.74	200	ug/ml
Aliphatic C16-C21	10.010	13.380	705344	7.207	300	ug/ml
Aliphatic C21-C28	13.381	17.049	1275679	13.599	400	ug/ml
Aliphatic C28-C40	17.050	22.036	3281195	34.744	600	ug/ml
Aliphatic EPH	3.300	22.036	6366052	66.265		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4033289	32.7		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3151023	35.12		ug/ml
Aliphatic C9-C28	3.300	17.049	3084857	31.52	1200	ug/ml