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:	TP04-MHG-EPH	SDG No.:	Q2160
Lab Sample ID:	Q2160-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
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
06/02/25 09:15	06/02/25 19:31	PB168231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.15		1	1.35	2.28	mg/kg	FC069062.D
Aliphatic C9-C28	Aliphatic C9-C28	13.1		1	1.04	4.56	mg/kg	FC069062.D
Total AliphaticEPH	Total AliphaticEPH	16.3			2.39	6.84	mg/kg	
Total EPH	Total EPH	16.3			2.39	6.84	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
FC069062.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	13.1		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.15		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.3		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.2		40 - 140	110%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2160-03	Acq On:	02 Jun 2025 19:31
Client Sample ID:	TP04-MHG-EPH	Operator:	YP/AJ
Data file:	FC069062.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.604	325124	3.075	300	ug/ml
Aliphatic C12-C16	6.605	10.008	975282	9.563	200	ug/ml
Aliphatic C16-C21	10.009	13.379	13843550	141.455	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1660939	17.706	400	ug/ml
Aliphatic C28-C40	17.047	22.036	3908698	41.389	600	ug/ml
Aliphatic EPH	3.301	22.036	20713593	213.189		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	6804416	55.17		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	5405952	60.26		ug/ml
Aliphatic C9-C28	3.301	17.046	16804895	171.799	1200	ug/ml