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:	06/04/25
Client Sample ID:	TP06-MHI-WC	SDG No.:	Q2226
Lab Sample ID:	Q2226-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.05 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	06/09/25 12:45	PB168322

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.3		2	2.59	4.40	mg/kg	FG015991.D
Aliphatic C9-C28	Aliphatic C9-C28	3.90	J	1	1.00	4.40	mg/kg	FG015979.D
Total AliphaticEPH	Total AliphaticEPH	59.2			3.59	8.80	mg/kg	
Total EPH	Total EPH	59.2			3.59	8.80	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
FG015979.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	3.90	J	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.5	E	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2226-01	Acq On:	06 Jun 2025 22:59
Client Sample ID:	TP06-MHI-WC	Operator:	YP\AJ
Data file:	FG015979.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	225262	1.984	300	ug/ml
Aliphatic C12-C16	6.762	10.209	657129	5.63	200	ug/ml
Aliphatic C16-C21	10.210	13.585	4320042	35.352	300	ug/ml
Aliphatic C21-C28	13.586	17.255	1476164	12.287	400	ug/ml
Aliphatic C28-C40	17.256	22.148	83601871	757.035	600	ug/ml
Aliphatic EPH	3.118	22.148	90280468	812.288		ug/ml
ortho-Terphenyl (SURR)	11.880	11.880	4809010	32.3		ug/ml
1-chlorooctadecane (SURR)	13.325	13.325	3851427	33.43		ug/ml
Aliphatic C9-C28	3.118	17.255	6678597	55.253	1200	ug/ml