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

Report of Analysis

Client:	PSEG		Date Collected:	06/23/25	
Project:	PSEG Onyx UG		Date Received:	06/23/25	
Client Sample ID:	MH-K/L EPH		SDG No.:	Q2394	
Lab Sample ID:	Q2394-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.2	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 19:32	PB168609

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.67		1	1.40	2.37	mg/kg	FG016143.D
Aliphatic C9-C28	Aliphatic C9-C28	5.96		1	1.08	4.75	mg/kg	FG016143.D
Total AliphaticEPH	Total AliphaticEPH	14.6			2.48	7.12	mg/kg	
Total EPH	Total EPH	14.6			2.48	7.12	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
FG016143.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.96		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.67		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.0		40 - 140	100%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2394-02	Acq On:	25 Jun 2025 19:32
Client Sample ID:	MH-K/L EPH	Operator:	YP\AJ
Data file:	FG016143.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.956	3494605	31.963	300	ug/ml
Aliphatic C12-C16	6.957	10.413	876133	7.835	200	ug/ml
Aliphatic C16-C21	10.414	13.802	1631088	14.248	300	ug/ml
Aliphatic C21-C28	13.803	17.484	2425193	21.201	400	ug/ml
Aliphatic C28-C40	17.485	22.531	10080415	109.575	600	ug/ml
Aliphatic EPH	3.318	22.531	18507434	184.821		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	6450312	49.99		ug/ml
1-chlorooctadecane (SURR)	13.537	13.537	5337232	52.97		ug/ml
Aliphatic C9-C28	3.318	17.484	8427019	75.247	1200	ug/ml