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

Report of Analysis

Client:	PSEG		Date Collected:	06/20/25	
Project:	PSEG Onyx UG		Date Received:	06/20/25	
Client Sample ID:	MH-J-I-EPH		SDG No.:	Q2389	
Lab Sample ID:	Q2389-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.6	
Sample Wt/Vol:	30.02	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 18:32	PB168609

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.07		1	1.33	2.26	mg/kg	FG016141.D
Aliphatic C9-C28	Aliphatic C9-C28	6.72		1	1.03	4.51	mg/kg	FG016141.D
Total AliphaticEPH	Total AliphaticEPH	12.8			2.36	6.77	mg/kg	
Total EPH	Total EPH	12.8			2.36	6.77	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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016141.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	6.72		1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.07		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2389-02	Acq On:	25 Jun 2025 18:32
Client Sample ID:	MH-J-I-EPH	Operator:	YP\AJ
Data file:	FG016141.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.956	4605105	42.12	300	ug/ml
Aliphatic C12-C16	6.957	10.413	405365	3.625	200	ug/ml
Aliphatic C16-C21	10.414	13.802	4001385	34.953	300	ug/ml
Aliphatic C21-C28	13.803	17.484	991630	8.669	400	ug/ml
Aliphatic C28-C40	17.485	22.531	7430447	80.769	600	ug/ml
Aliphatic EPH	3.318	22.531	17433932	170.136		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	3894340	30.18		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	3199760	31.75		ug/ml
Aliphatic C9-C28	3.318	17.484	10003485	89.367	1200	ug/ml