

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	PSEG Onyx UG	Date Received:	06/16/25
Client Sample ID:	MH-C	SDG No.:	Q2339
Lab Sample ID:	Q2339-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/18/25 0:04	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.85		1	1.31	2.22	mg/kg	FE054460.D
Aliphatic C9-C28	Aliphatic C9-C28	2.66	J	1	1.01	4.44	mg/kg	FE054460.D
Total AliphaticEPH	Total AliphaticEPH	11.5			2.32	6.66	mg/kg	
Total EPH	Total EPH	11.5			2.32	6.66	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054460.D	1	06/17/25	06/18/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.66	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.85		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2339-01	Acq On:	18 Jun 2025 00:04
Client Sample ID:	MH-C	Operator:	YP\AJ
Data file:	FE054460.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1457966	11.64	300	ug/ml
Aliphatic C12-C16	6.718	10.164	688945	5.253	200	ug/ml
Aliphatic C16-C21	10.165	13.536	506845	3.785	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1942473	15.287	400	ug/ml
Aliphatic C28-C40	17.203	22.064	15330544	119.541	600	ug/ml
Aliphatic EPH	3.073	22.064	19926773	155.505		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6225235	37.67		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5015394	41.13		ug/ml
Aliphatic C9-C28	3.073	17.202	4596229	35.965	1200	ug/ml