

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	PSEG Onyx UG	Date Received:	06/16/25
Client Sample ID:	MH-C-EPH	SDG No.:	Q2339
Lab Sample ID:	Q2339-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.01	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 2:05	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.52		1	1.32	2.23	mg/kg	FE054464.D
Aliphatic C9-C28	Aliphatic C9-C28	2.43	J	1	1.01	4.47	mg/kg	FE054464.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.34	6.70	mg/kg	
Total EPH	Total EPH	12.0			2.34	6.70	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

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	PSEG Onyx UG	Date Received:	06/16/25
Client Sample ID:	MH-C-EPH	SDG No.:	Q2339
Lab Sample ID:	Q2339-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054464.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	2.43	J	1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.52		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2339-02	Acq On:	18 Jun 2025 02:05
Client Sample ID:	MH-C-EPH	Operator:	YP\AJ
Data file:	FE054464.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1442360	11.515	300	ug/ml
Aliphatic C12-C16	6.718	10.164	609160	4.645	200	ug/ml
Aliphatic C16-C21	10.165	13.536	480085	3.585	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1643166	12.931	400	ug/ml
Aliphatic C28-C40	17.203	22.064	16406344	127.929	600	ug/ml
Aliphatic EPH	3.073	22.064	20581115	160.605		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	5940872	35.95		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	4782743	39.22		ug/ml
Aliphatic C9-C28	3.073	17.202	4174771	32.676	1200	ug/ml