

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	SDG No.:	Q2389
Lab Sample ID:	Q2389-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 16:33	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.95		1	1.32	2.24	mg/kg FG016137.D
Aliphatic C9-C28	Aliphatic C9-C28	5.85		1	1.02	4.49	mg/kg FG016137.D
Total AliphaticEPH	Total AliphaticEPH	11.8			2.34	6.73	mg/kg
Total EPH	Total EPH	11.8			2.34	6.73	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:	06/20/25
Project:	PSEG Onyx UG	Date Received:	06/20/25
Client Sample ID:	MH-J-I	SDG No.:	Q2389
Lab Sample ID:	Q2389-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016137.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	5.85		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.95		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.8		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2389-01	Acq On:	25 Jun 2025 16:33
Client Sample ID:	MH-J-I	Operator:	YP\AJ
Data file:	FG016137.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.956	5983457	54.727	300	ug/ml
Aliphatic C12-C16	6.957	10.413	530208	4.741	200	ug/ml
Aliphatic C16-C21	10.414	13.802	965670	8.435	300	ug/ml
Aliphatic C21-C28	13.803	17.484	1185936	10.367	400	ug/ml
Aliphatic C28-C40	17.485	22.531	7324708	79.62	600	ug/ml
Aliphatic EPH	3.318	22.531	15989979	157.891		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5034036	39.02		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	4113109	40.82		ug/ml
Aliphatic C9-C28	3.318	17.484	8665271	78.27	1200	ug/ml