

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	SDG No.:	Q2394
Lab Sample ID:	Q2394-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 19:02	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.11		1	1.37	2.32	mg/kg FG016142.D
Aliphatic C9-C28	Aliphatic C9-C28	5.98		1	1.05	4.63	mg/kg FG016142.D
Total AliphaticEPH	Total AliphaticEPH	12.1			2.42	6.95	mg/kg
Total EPH	Total EPH	12.1			2.42	6.95	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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Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.03 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
FG016142.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	5.98		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.11		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2394-01	Acq On:	25 Jun 2025 19:02
Client Sample ID:	MH-K/L	Operator:	YP\AJ
Data file:	FG016142.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.956	5069766	46.37	300	ug/ml
Aliphatic C12-C16	6.957	10.413	572653	5.121	200	ug/ml
Aliphatic C16-C21	10.414	13.802	1192560	10.417	300	ug/ml
Aliphatic C21-C28	13.803	17.484	1781939	15.578	400	ug/ml
Aliphatic C28-C40	17.485	22.531	7278768	79.121	600	ug/ml
Aliphatic EPH	3.318	22.531	15895686	156.606		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	4822008	37.37		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3852528	38.23		ug/ml
Aliphatic C9-C28	3.318	17.484	8616918	77.486	1200	ug/ml