

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	PSEG Onyx UG	Date Received:	06/13/25
Client Sample ID:	MH-B	SDG No.:	Q2319
Lab Sample ID:	Q2319-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/16/25 08:50	06/16/25 19:18	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.26		1	1.36	2.30	mg/kg	FE054413.D
Aliphatic C9-C28	Aliphatic C9-C28	2.86	J	1	1.04	4.60	mg/kg	FE054413.D
Total AliphaticEPH	Total AliphaticEPH	6.12	J		2.40	6.90	mg/kg	
Total EPH	Total EPH	6.12	J		2.40	6.90	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:	86.9
Sample Wt/Vol:	30.05 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
FE054413.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.86	J	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.26		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2319-01	Acq On:	16 Jun 2025 19:18
Client Sample ID:	MH-B	Operator:	YP\AJ
Data file:	FE054413.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	2463261	19.666	300	ug/ml
Aliphatic C12-C16	6.720	10.165	685241	5.225	200	ug/ml
Aliphatic C16-C21	10.166	13.538	471814	3.523	300	ug/ml
Aliphatic C21-C28	13.539	17.207	1133951	8.924	400	ug/ml
Aliphatic C28-C40	17.208	22.075	5465947	42.621	600	ug/ml
Aliphatic EPH	3.075	22.075	10220214	79.959		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	5383338	32.58		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	4204082	34.47		ug/ml
Aliphatic C9-C28	3.075	17.207	4754267	37.338	1200	ug/ml