

Report of Analysis

Client:	PSEG	Date Collected:	06/24/25
Project:	PSEG Onyx UG	Date Received:	06/24/25
Client Sample ID:	MH-M/N-EPH	SDG No.:	Q2405
Lab Sample ID:	Q2405-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.02	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 18:51	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.19		1	1.32	2.23	mg/kg	FE054582.D
Aliphatic C9-C28	Aliphatic C9-C28	4.12	J	1	1.02	4.47	mg/kg	FE054582.D
Total AliphaticEPH	Total AliphaticEPH	9.31			2.34	6.70	mg/kg	
Total EPH	Total EPH	9.31			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

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Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.02 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
FE054582.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	4.12	J	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.19		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.1		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2405-02	Acq On:	25 Jun 2025 18:51
Client Sample ID:	MH-M/N-EPH	Operator:	YP\AJ
Data file:	FE054582.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1929046	15.401	300	ug/ml
Aliphatic C12-C16	6.717	10.163	1736058	13.237	200	ug/ml
Aliphatic C16-C21	10.164	13.535	1017029	7.594	300	ug/ml
Aliphatic C21-C28	13.536	17.204	2418546	19.033	400	ug/ml
Aliphatic C28-C40	17.205	22.072	8948347	69.775	600	ug/ml
Aliphatic EPH	3.071	22.072	16049026	125.04		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	7785896	47.12		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	6073273	49.8		ug/ml
Aliphatic C9-C28	3.071	17.204	7100679	55.265	1200	ug/ml