

Report of Analysis

Client:	PSEG	Date Collected:	06/24/25
Project:	PSEG Onyx UG	Date Received:	06/24/25
Client Sample ID:	MH-M/H	SDG No.:	Q2405
Lab Sample ID:	Q2405-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.07	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 18:20	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.91		1	1.30	2.20	mg/kg	FE054581.D
Aliphatic C9-C28	Aliphatic C9-C28	3.37	J	1	1.00	4.40	mg/kg	FE054581.D
Total AliphaticEPH	Total AliphaticEPH	9.28			2.30	6.60	mg/kg	
Total EPH	Total EPH	9.28			2.30	6.60	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054581.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	3.37	J	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.91		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.9		40 - 140	92%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2405-01	Acq On:	25 Jun 2025 18:20
Client Sample ID:	MH-M/H	Operator:	YP\AJ
Data file:	FE054581.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1851893	14.785	300	ug/ml
Aliphatic C12-C16	6.717	10.163	1631564	12.44	200	ug/ml
Aliphatic C16-C21	10.164	13.535	992975	7.414	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1447532	11.392	400	ug/ml
Aliphatic C28-C40	17.205	22.072	10342165	80.644	600	ug/ml
Aliphatic EPH	3.071	22.072	16266129	126.675		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	7591005	45.94		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	5896150	48.35		ug/ml
Aliphatic C9-C28	3.071	17.204	5923964	46.031	1200	ug/ml