

Report of Analysis

Client:	PSEG	Date Collected:	06/26/25
Project:	PSEG Onyx UG	Date Received:	06/26/25
Client Sample ID:	MH-E/F-EPH	SDG No.:	Q2430
Lab Sample ID:	Q2430-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 19:04	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.33	2.26	mg/kg FG016162.D
Aliphatic C9-C28	Aliphatic C9-C28	9.95		1	1.03	4.52	mg/kg FG016162.D
Total AliphaticEPH	Total AliphaticEPH	15.2			2.36	6.78	mg/kg
Total EPH	Total EPH	15.2			2.36	6.78	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016162.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.95		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-02	Acq On:	27 Jun 2025 19:04
Client Sample ID:	MH-E/F-EPH	Operator:	YP\AJ
Data file:	FG016162.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	5779366	52.86	300	ug/ml
Aliphatic C12-C16	6.956	10.413	427510	3.823	200	ug/ml
Aliphatic C16-C21	10.414	13.802	7535704	65.826	300	ug/ml
Aliphatic C21-C28	13.803	17.485	1074852	9.396	400	ug/ml
Aliphatic C28-C40	17.486	22.536	6415144	69.733	600	ug/ml
Aliphatic EPH	3.316	22.536	21232576	201.638		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	3760203	29.14		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3075452	30.52		ug/ml
Aliphatic C9-C28	3.316	17.485	14817432	131.905	1200	ug/ml