

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	SDG No.:	Q2430
Lab Sample ID:	Q2430-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
06/27/25 08:30	06/27/25 17:06	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.84		1	1.34	2.27	mg/kg FG016158.D
Aliphatic C9-C28	Aliphatic C9-C28	9.67		1	1.03	4.53	mg/kg FG016158.D
Total AliphaticEPH	Total AliphaticEPH	15.5			2.37	6.80	mg/kg
Total EPH	Total EPH	15.5			2.37	6.80	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:	88.2
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
FG016158.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	9.67		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.84		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.3		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.4		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01	Acq On:	27 Jun 2025 17:06
Client Sample ID:	MH-E/F	Operator:	YP\AJ
Data file:	FG016158.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	6032888	55.179	300	ug/ml
Aliphatic C12-C16	6.956	10.413	524102	4.687	200	ug/ml
Aliphatic C16-C21	10.414	13.802	6264723	54.723	300	ug/ml
Aliphatic C21-C28	13.803	17.485	1539301	13.457	400	ug/ml
Aliphatic C28-C40	17.486	22.536	7118459	77.378	600	ug/ml
Aliphatic EPH	3.316	22.536	21479473	205.424		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	5337091	41.36		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4362703	43.3		ug/ml
Aliphatic C9-C28	3.316	17.485	14361014	128.046	1200	ug/ml