

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	PSEG Onyx UG	Date Received:	06/25/25
Client Sample ID:	MH-G/H	SDG No.:	Q2416
Lab Sample ID:	Q2416-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:50	06/27/25 2:11	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.8		1	1.31	2.23	mg/kg FC069305.D
Aliphatic C9-C28	Aliphatic C9-C28	5.84		1	1.01	4.44	mg/kg FC069305.D
Total AliphaticEPH	Total AliphaticEPH	16.6			2.32	6.67	mg/kg
Total EPH	Total EPH	16.6			2.32	6.67	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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Lab Sample ID:	Q2416-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.06 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
FC069305.D	1	06/26/25	06/27/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.84		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.8		1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2416-01	Acq On:	27 Jun 2025 02:11
Client Sample ID:	MH-G/H	Operator:	YP/AJ
Data file:	FC069305.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	3435760	23.424	300	ug/ml
Aliphatic C12-C16	6.605	10.008	834097	5.239	200	ug/ml
Aliphatic C16-C21	10.009	13.377	5913541	38.292	300	ug/ml
Aliphatic C21-C28	13.378	17.043	1578717	11.784	400	ug/ml
Aliphatic C28-C40	17.044	22.026	13400631	145.462	600	ug/ml
Aliphatic EPH	3.305	22.026	25162746	224.201		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	5070814	29.35		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	4062106	31.09		ug/ml
Aliphatic C9-C28	3.305	17.043	11762115	78.739	1200	ug/ml