

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Onyx to STL poles	Date Received:	06/11/25
Client Sample ID:	WC-3-EPH	SDG No.:	Q2296
Lab Sample ID:	Q2296-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/12/25 08:55	06/13/25 4:16	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.52		1	1.40	2.37	mg/kg FE054364.D
Aliphatic C9-C28	Aliphatic C9-C28	8.23		1	1.08	4.75	mg/kg FE054364.D
Total AliphaticEPH	Total AliphaticEPH	11.8			2.48	7.12	mg/kg
Total EPH	Total EPH	11.8			2.48	7.12	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
FE054364.D	1	06/12/25	06/13/25	PB168438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.23		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.52		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.6		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.8		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-10	Acq On:	13 Jun 2025 04:16
Client Sample ID:	WC-3-EPH	Operator:	YP\AJ
Data file:	FE054364.D	Misc:	
Instrument:	FID_E	ALS Vial:	40
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	1642098	13.11	300	ug/ml
Aliphatic C12-C16	6.723	10.169	1366535	10.42	200	ug/ml
Aliphatic C16-C21	10.170	13.542	1441780	10.766	300	ug/ml
Aliphatic C21-C28	13.543	17.208	8870989	69.812	400	ug/ml
Aliphatic C28-C40	17.209	22.074	5717384	44.582	600	ug/ml
Aliphatic EPH	3.077	22.074	19038786	148.689		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	8234479	49.83		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	6664642	54.65		ug/ml
Aliphatic C9-C28	3.077	17.208	13321402	104.108	1200	ug/ml