

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-4-EPH	SDG No.:	Q2296
Lab Sample ID:	Q2296-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.01 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 7:17	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.38	J	1	1.41	2.39	mg/kg	FE054368.D
Aliphatic C9-C28	Aliphatic C9-C28	7.30		1	1.09	4.80	mg/kg	FE054368.D
Total AliphaticEPH	Total AliphaticEPH	9.68			2.50	7.19	mg/kg	
Total EPH	Total EPH	9.68			2.50	7.19	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054368.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	7.30		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.38	J	1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.1		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-14	Acq On:	13 Jun 2025 07:17
Client Sample ID:	WC-4-EPH	Operator:	YP\AJ
Data file:	FE054368.D	Misc:	
Instrument:	FID_E	ALS Vial:	42
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	2079487	16.602	300	ug/ml
Aliphatic C12-C16	6.723	10.169	616854	4.703	200	ug/ml
Aliphatic C16-C21	10.170	13.542	8082872	60.353	300	ug/ml
Aliphatic C21-C28	13.543	17.208	1231764	9.694	400	ug/ml
Aliphatic C28-C40	17.209	22.074	3820144	29.788	600	ug/ml
Aliphatic EPH	3.077	22.074	15831121	121.14		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7451565	45.1		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	6086253	49.91		ug/ml
Aliphatic C9-C28	3.077	17.208	12010977	91.352	1200	ug/ml