

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	SDG No.:	Q2296
Lab Sample ID:	Q2296-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/12/25 08:55	06/13/25 6:47	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.75		1	1.44	2.44	mg/kg	FE054367.D
Aliphatic C9-C28	Aliphatic C9-C28	2.96	J	1	1.11	4.88	mg/kg	FE054367.D
Total AliphaticEPH	Total AliphaticEPH	5.71	J		2.55	7.33	mg/kg	
Total EPH	Total EPH	5.71	J		2.55	7.33	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
FE054367.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	2.96	J	1.11	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.75		1.44	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.7		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-13	Acq On:	13 Jun 2025 06:47
Client Sample ID:	WC-4	Operator:	YP\AJ
Data file:	FE054367.D	Misc:	
Instrument:	FID_E	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	1688115	13.477	300	ug/ml
Aliphatic C12-C16	6.723	10.169	831755	6.342	200	ug/ml
Aliphatic C16-C21	10.170	13.542	660353	4.931	300	ug/ml
Aliphatic C21-C28	13.543	17.208	1470233	11.57	400	ug/ml
Aliphatic C28-C40	17.209	22.074	4321965	33.701	600	ug/ml
Aliphatic EPH	3.077	22.074	8972421	70.021		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	9469042	57.31		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	7643530	62.68		ug/ml
Aliphatic C9-C28	3.077	17.208	4650456	36.32	1200	ug/ml