

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-6-EPH	SDG No.:	Q2296
Lab Sample ID:	Q2296-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.02 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 11:49	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.77		1	1.29	2.19	mg/kg	FE054377.D
Aliphatic C9-C28	Aliphatic C9-C28	2.32	J	1	1.00	4.39	mg/kg	FE054377.D
Total AliphaticEPH	Total AliphaticEPH	11.1			2.29	6.58	mg/kg	
Total EPH	Total EPH	11.1			2.29	6.58	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

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-6-EPH	SDG No.:	Q2296
Lab Sample ID:	Q2296-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.02 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
FE054377.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	2.32	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.77		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-22	Acq On:	13 Jun 2025 11:49
Client Sample ID:	WC-6-EPH	Operator:	YP\AJ
Data file:	FE054377.D	Misc:	
Instrument:	FID_E	ALS Vial:	46
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.718	1567950	12.518	300	ug/ml
Aliphatic C12-C16	6.719	10.163	586756	4.474	200	ug/ml
Aliphatic C16-C21	10.164	13.535	667164	4.982	300	ug/ml
Aliphatic C21-C28	13.536	17.200	1241334	9.769	400	ug/ml
Aliphatic C28-C40	17.201	22.059	15374380	119.883	600	ug/ml
Aliphatic EPH	3.073	22.059	19437584	151.625		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4876313	29.51		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3901430	31.99		ug/ml
Aliphatic C9-C28	3.073	17.200	4063204	31.743	1200	ug/ml