

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-1	SDG No.:	Q2296
Lab Sample ID:	Q2296-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.1
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
06/12/25 08:55	06/13/25 1:45	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1	1.45	2.46	mg/kg FE054359.D
Aliphatic C9-C28	Aliphatic C9-C28	23.5		1	1.12	4.92	mg/kg FE054359.D
Total AliphaticEPH	Total AliphaticEPH	37.7			2.57	7.38	mg/kg
Total EPH	Total EPH	37.7			2.57	7.38	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
FE054359.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	23.5		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-01	Acq On:	13 Jun 2025 01:45
Client Sample ID:	WC-1	Operator:	YP\AJ
Data file:	FE054359.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	1105079	8.823	300	ug/ml
Aliphatic C12-C16	6.723	10.169	1747670	13.326	200	ug/ml
Aliphatic C16-C21	10.170	13.542	12371128	92.373	300	ug/ml
Aliphatic C21-C28	13.543	17.208	21853349	171.98	400	ug/ml
Aliphatic C28-C40	17.209	22.074	22160323	172.796	600	ug/ml
Aliphatic EPH	3.077	22.074	59237549	459.298		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	5467001	33.09		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	4496960	36.88		ug/ml
Aliphatic C9-C28	3.077	17.208	37077226	286.502	1200	ug/ml