

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	SDG No.:	Q2296
Lab Sample ID:	Q2296-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
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	06/16/25 11:01	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	94.9		5	6.73	11.4	mg/kg FE054400.D
Aliphatic C9-C28	Aliphatic C9-C28	52.7		1	1.04	4.56	mg/kg FE054376.D
Total AliphaticEPH	Total AliphaticEPH	148			7.77	16.0	mg/kg
Total EPH	Total EPH	148			7.77	16.0	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
FE054376.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	52.7		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.0	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.1		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-21	Acq On:	13 Jun 2025 11:19
Client Sample ID:	WC-6	Operator:	YP\AJ
Data file:	FE054376.D	Misc:	
Instrument:	FID_E	ALS Vial:	45
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.718	1794941	14.33	300	ug/ml
Aliphatic C12-C16	6.719	10.163	2617708	19.959	200	ug/ml
Aliphatic C16-C21	10.164	13.535	19661807	146.811	300	ug/ml
Aliphatic C21-C28	13.536	17.200	65014254	511.646	400	ug/ml
Aliphatic C28-C40	17.201	22.059	141565990	1100	600	ug/ml
Aliphatic EPH	3.073	22.059	230654700	1800		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	7144432	43.24		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	6233601	51.12		ug/ml
Aliphatic C9-C28	3.073	17.200	89088710	692.746	1200	ug/ml