

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 23:32	PB169398

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.95	J	1	8.28	30.0	ug/l	FE055522.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FE055522.D
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	1	8.34	30.0	ug/l	FE055522.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6	J	1	12.5	40.0	ug/l	FE055522.D
Aliphatic C28-C40	Aliphatic C28-C40	133		1	23.8	60.0	ug/l	FE055522.D
Aromatic C10-C12	Aromatic C10-C12	9.47	J	1	2.07	20.0	ug/l	FD049676.D
Aromatic C12-C16	Aromatic C12-C16	10.0	J	1	4.26	30.0	ug/l	FD049676.D
Aromatic C16-C21	Aromatic C16-C21	61.0		1	8.27	50.0	ug/l	FD049676.D
Aromatic C21-C36	Aromatic C21-C36	53.3	J	1	23.8	80.0	ug/l	FD049676.D
Total AliphaticEPH	Total AliphaticEPH	171	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	134	J		38.4	180	ug/l	
Total EPH	Total EPH	305	J		105	360	ug/l	

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 :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049676.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.47	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	10.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	61.0		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	53.3	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.5		40 - 140	91%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.9		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-01	Acq On:	26 Aug 2025 18:38
Client Sample ID:	ENV-SW01	Operator:	YP/AJ
Data file:	FD049676.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	511157	4.736	200	ug/ml
Aromatic C12-C16	6.150	8.777	620814	5.024	300	ug/ml
Aromatic C16-C21	8.778	13.069	3858355	30.504	500	ug/ml
Aromatic C21-C36	13.070	18.490	3000312	26.641	800	ug/ml
Aromatic EPH	4.405	18.490	7990638	66.905		ug/ml
2-Bromonaphthalene (SURRE)	7.715	7.715	4658887	45.46		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	3349747	45.86		ug/ml
ortho-Terphenyl (SURRE)	11.625	11.625	4240172	32.67		ug/ml