

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-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	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	08/27/25 1:03	PB169398

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.5	J	1	8.28	30.0	ug/l	FE055525.D
Aliphatic C12-C16	Aliphatic C12-C16	16.0	J	1	13.5	20.0	ug/l	FE055525.D
Aliphatic C16-C21	Aliphatic C16-C21	14.8	J	1	8.34	30.0	ug/l	FE055525.D
Aliphatic C21-C28	Aliphatic C21-C28	17.1	J	1	12.5	40.0	ug/l	FE055525.D
Aliphatic C28-C40	Aliphatic C28-C40	191		1	23.8	60.0	ug/l	FE055525.D
Aromatic C10-C12	Aromatic C10-C12	13.1	J	1	2.07	20.0	ug/l	FD049685.D
Aromatic C12-C16	Aromatic C12-C16	14.7	J	1	4.26	30.0	ug/l	FD049685.D
Aromatic C16-C21	Aromatic C16-C21	81.6		1	8.27	50.0	ug/l	FD049685.D
Aromatic C21-C36	Aromatic C21-C36	79.4	J	1	23.8	80.0	ug/l	FD049685.D
Total AliphaticEPH	Total AliphaticEPH	252			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	189			38.4	180	ug/l	
Total EPH	Total EPH	441			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

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-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	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		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049685.D	1	08/25/25	08/27/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	13.1	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	14.7	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	81.6		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	79.4	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	67.9		40 - 140	136%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	68.5		40 - 140	137%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.9		40 - 140	136%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-04	Acq On:	27 Aug 2025 09:29
Client Sample ID:	ENV-SW04	Operator:	YP/AJ
Data file:	FD049685.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.406	6.149	707417	6.554	200	ug/ml
Aromatic C12-C16	6.150	8.778	905364	7.326	300	ug/ml
Aromatic C16-C21	8.779	13.069	5160483	40.799	500	ug/ml
Aromatic C21-C36	13.070	18.489	4472853	39.717	800	ug/ml
Aromatic EPH	4.406	18.489	11246117	94.396		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	6961568	67.93		ug/ml
2-Fluorobiphenyl (SURR)	8.582	8.582	5005893	68.53		ug/ml
ortho-Terphenyl (SURR)	11.629	11.629	8810222	67.88		ug/ml