

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-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	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 0:03	PB169398

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.7	J	1	8.28	30.0	ug/l	FE055523.D
Aliphatic C12-C16	Aliphatic C12-C16	16.4	J	1	13.5	20.0	ug/l	FE055523.D
Aliphatic C16-C21	Aliphatic C16-C21	16.5	J	1	8.34	30.0	ug/l	FE055523.D
Aliphatic C21-C28	Aliphatic C21-C28	15.0	J	1	12.5	40.0	ug/l	FE055523.D
Aliphatic C28-C40	Aliphatic C28-C40	213		1	23.8	60.0	ug/l	FE055523.D
Aromatic C10-C12	Aromatic C10-C12	9.41	J	1	2.07	20.0	ug/l	FD049677.D
Aromatic C12-C16	Aromatic C12-C16	14.0	J	1	4.26	30.0	ug/l	FD049677.D
Aromatic C16-C21	Aromatic C16-C21	68.9		1	8.27	50.0	ug/l	FD049677.D
Aromatic C21-C36	Aromatic C21-C36	43.3	J	1	23.8	80.0	ug/l	FD049677.D
Total AliphaticEPH	Total AliphaticEPH	274			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	136	J		38.4	180	ug/l	
Total EPH	Total EPH	409			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
FD049677.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	9.41	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	14.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	68.9		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	43.3	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.9		40 - 140	120%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.9		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.8		40 - 140	110%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-02	Acq On:	26 Aug 2025 19:23
Client Sample ID:	ENV-SW02	Operator:	YP/AJ
Data file:	FD049677.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	507783	4.704	200	ug/ml
Aromatic C12-C16	6.150	8.777	867132	7.017	300	ug/ml
Aromatic C16-C21	8.778	13.069	4359459	34.466	500	ug/ml
Aromatic C21-C36	13.070	18.490	2435916	21.63	800	ug/ml
Aromatic EPH	4.405	18.490	8170290	67.817		ug/ml
2-Bromonaphthalene (SURRE)	7.716	7.716	6137175	59.88		ug/ml
2-Fluorobiphenyl (SURRE)	8.581	8.581	4301667	58.89		ug/ml
ortho-Terphenyl (SURRE)	11.628	11.628	7108711	54.77		ug/ml