

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-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 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 0:33	PB169398

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.0	J	1	8.36	30.3	ug/l	FE055524.D
Aliphatic C12-C16	Aliphatic C12-C16	16.4	J	1	13.6	20.2	ug/l	FE055524.D
Aliphatic C16-C21	Aliphatic C16-C21	17.1	J	1	8.42	30.3	ug/l	FE055524.D
Aliphatic C21-C28	Aliphatic C21-C28	13.8	J	1	12.6	40.4	ug/l	FE055524.D
Aliphatic C28-C40	Aliphatic C28-C40	143		1	24.0	60.6	ug/l	FE055524.D
Aromatic C10-C12	Aromatic C10-C12	11.6	J	1	2.09	20.2	ug/l	FD049678.D
Aromatic C12-C16	Aromatic C12-C16	15.3	J	1	4.30	30.3	ug/l	FD049678.D
Aromatic C16-C21	Aromatic C16-C21	66.6		1	8.35	50.5	ug/l	FD049678.D
Aromatic C21-C36	Aromatic C21-C36	49.5	J	1	24.0	80.8	ug/l	FD049678.D
Total AliphaticEPH	Total AliphaticEPH	203			67.0	182	ug/l	
Total AromaticEPH	Total AromaticEPH	143	J		38.7	182	ug/l	
Total EPH	Total EPH	346	J		106	364	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049678.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	11.6	J	2.09	20.2	ug/l
Aromatic C12-C16	Aromatic C12-C16	15.3	J	4.30	30.3	ug/l
Aromatic C16-C21	Aromatic C16-C21	66.6		8.35	50.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	49.5	J	24.0	80.8	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.6		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.0		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-03	Acq On:	26 Aug 2025 20:08
Client Sample ID:	ENV-SW03	Operator:	YP/AJ
Data file:	FD049678.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	619521	5.74	200	ug/ml
Aromatic C12-C16	6.150	8.777	936497	7.578	300	ug/ml
Aromatic C16-C21	8.778	13.069	4169008	32.96	500	ug/ml
Aromatic C21-C36	13.070	18.490	2758451	24.494	800	ug/ml
Aromatic EPH	4.405	18.490	8483477	70.772		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	4984490	38.4		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	5390679	52.6		ug/ml
2-Fluorobiphenyl (SURR)	8.580	8.580	3802217	52.05		ug/ml