

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-173-GW01	SDG No.:	Q1415
Lab Sample ID:	Q1415-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	900 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
02/25/25 08:00	02/25/25 18:13	PB166863

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.40	U	1	6.40	33.3	ug/l	FC068300.D
Aliphatic C12-C16	Aliphatic C12-C16	4.01	U	1	4.01	22.2	ug/l	FC068300.D
Aliphatic C16-C21	Aliphatic C16-C21	5.71	U	1	5.71	33.3	ug/l	FC068300.D
Aliphatic C21-C28	Aliphatic C21-C28	9.97	U	1	9.97	44.4	ug/l	FC068300.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9	U	1	18.9	66.7	ug/l	FC068300.D
Aromatic C10-C12	Aromatic C10-C12	3.69	U	1	3.69	22.2	ug/l	FD049105.D
Aromatic C12-C16	Aromatic C12-C16	4.10	U	1	4.10	33.3	ug/l	FD049105.D
Aromatic C16-C21	Aromatic C16-C21	14.1	U	1	14.1	55.6	ug/l	FD049105.D
Aromatic C21-C36	Aromatic C21-C36	28.0	U	1	28.0	88.9	ug/l	FD049105.D
Total AliphaticEPH	Total AliphaticEPH	45.0	U		45.0	200	ug/l	
Total AromaticEPH	Total AromaticEPH	49.9	U		49.9	200	ug/l	
Total EPH	Total EPH	94.9	U		94.9	400	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
FC068300.D	1	02/25/25	02/25/25	PB166863

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.40	U	6.40	33.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	4.01	U	4.01	22.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.71	U	5.71	33.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	9.97	U	9.97	44.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	18.9	U	18.9	66.7	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1415-06	Acq On:	25 Feb 2025 18:13
Client Sample ID:	B-173-GW01	Operator:	YP/AJ
Data file:	FC068300.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.371	238016	1.688	300	ug/ml
Aliphatic C12-C16	6.372	9.756	188032	1.376	200	ug/ml
Aliphatic C16-C21	9.757	13.110	0	0	300	ug/ml
Aliphatic C21-C28	13.111	16.764	0	0	400	ug/ml
Aliphatic C28-C40	16.765	21.571	0	0	600	ug/ml
Aliphatic EPH	3.105	21.571	426048	3.064		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.841	12.841	3123778	27.77		ug/ml
Aliphatic C9-C28	3.105	16.764	426048	3.064	1200	ug/ml