

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 09:49	10/24/24 13:25	PB164368

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.33	U	1	6.33	33.0	ug/l	FC067520.D
Aliphatic C12-C16	Aliphatic C12-C16	3.97	U	1	3.97	22.0	ug/l	FC067520.D
Aliphatic C16-C21	Aliphatic C16-C21	5.65	U	1	5.65	33.0	ug/l	FC067520.D
Aliphatic C21-C28	Aliphatic C21-C28	9.86	U	1	9.86	44.0	ug/l	FC067520.D
Aliphatic C28-C40	Aliphatic C28-C40	18.7	U	1	18.7	65.9	ug/l	FC067520.D
Aromatic C10-C12	Aromatic C10-C12	3.65	U	1	3.65	22.0	ug/l	FD048582.D
Aromatic C12-C16	Aromatic C12-C16	4.05	U	1	4.05	33.0	ug/l	FD048582.D
Aromatic C16-C21	Aromatic C16-C21	25.0	J	1	14.0	54.9	ug/l	FD048582.D
Aromatic C21-C36	Aromatic C21-C36	27.7	U	1	27.7	87.9	ug/l	FD048582.D
Total AliphaticEPH	Total AliphaticEPH	44.5	U		44.5	198	ug/l	
Total AromaticEPH	Total AromaticEPH	49.4	U		49.4	198	ug/l	
Total EPH	Total EPH	93.9	U		93.9	396	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
FC067520.D	1	10/23/24	10/24/24	PB164368

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.33	U	6.33	33.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.97	U	3.97	22.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.65	U	5.65	33.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	9.86	U	9.86	44.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	18.7	U	18.7	65.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4460-06	Acq On:	24 Oct 2024 13:25
Client Sample ID:	WB-303-SW	Operator:	YP/AJ
Data file:	FC067520.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.454	169569	1.252	300	ug/ml
Aliphatic C12-C16	6.455	9.844	182231	1.384	200	ug/ml
Aliphatic C16-C21	9.845	13.202	95001	0.747	300	ug/ml
Aliphatic C21-C28	13.203	16.857	47154	0.393	400	ug/ml
Aliphatic C28-C40	16.858	21.703	242462	2.398	600	ug/ml
Aliphatic EPH	3.174	21.703	736417	6.173		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	4359112	40.37		ug/ml
Aliphatic C9-C28	3.174	16.857	493955	3.776	1200	ug/ml