

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 19:47	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.26	U	1	0.26	1.88	mg/kg	FC068802.D
Aliphatic C12-C16	Aliphatic C12-C16	2.11		1	0.21	1.25	mg/kg	FC068802.D
Aliphatic C16-C21	Aliphatic C16-C21	0.24	U	1	0.24	1.88	mg/kg	FC068802.D
Aliphatic C21-C28	Aliphatic C21-C28	1.00	U	1	1.00	2.50	mg/kg	FC068802.D
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	1	2.22	3.76	mg/kg	FC068802.D
Aromatic C10-C12	Aromatic C10-C12	0.51	J	1	0.23	1.25	mg/kg	FD049328.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.43	1.88	mg/kg	FD049328.D
Aromatic C16-C21	Aromatic C16-C21	3.65		1	0.75	3.13	mg/kg	FD049328.D
Aromatic C21-C36	Aromatic C21-C36	3.46	J	1	2.24	5.01	mg/kg	FD049328.D
Total AliphaticEPH	Total AliphaticEPH	3.93	U		3.93	11.3	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.27	J		3.65	11.3	mg/kg	
Total EPH	Total EPH	10.4	J		7.58	22.5	mg/kg	

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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068802.D	1	05/07/25	05/08/25	PB167903

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Aliphatic C12-C16	Aliphatic C12-C16	2.11		0.21	1.25	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.24	U	0.24	1.88	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.00	U	1.00	2.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	2.22	3.76	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.7		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1901-04	Acq On:	08 May 2025 19:47
Client Sample ID:	B-167-SB02	Operator:	YP/AJ
Data file:	FC068802.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	41529	0.419	300	ug/ml
Aliphatic C12-C16	6.643	10.042	1532288	16.841	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	53201	0.64	400	ug/ml
Aliphatic C28-C40	17.073	22.071	113958	1.347	600	ug/ml
Aliphatic EPH	3.342	22.071	1740976	19.247		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	5032167	62.72		ug/ml
Aliphatic C9-C28	3.342	17.072	1627018	17.9	1200	ug/ml