

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-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.05 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 19:09	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	1	0.17	1.20	mg/kg	FC068801.D
Aliphatic C12-C16	Aliphatic C12-C16	0.13	U	1	0.13	0.80	mg/kg	FC068801.D
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	1	0.16	1.20	mg/kg	FC068801.D
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	1	0.64	1.60	mg/kg	FC068801.D
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1	1.42	2.41	mg/kg	FC068801.D
Aromatic C10-C12	Aromatic C10-C12	0.61	J	1	0.14	0.80	mg/kg	FD049327.D
Aromatic C12-C16	Aromatic C12-C16	1.45		1	0.28	1.20	mg/kg	FD049327.D
Aromatic C16-C21	Aromatic C16-C21	20.1		1	0.48	2.00	mg/kg	FD049327.D
Aromatic C21-C36	Aromatic C21-C36	19.0		1	1.43	3.21	mg/kg	FD049327.D
Total AliphaticEPH	Total AliphaticEPH	2.51	U		2.51	7.21	mg/kg	
Total AromaticEPH	Total AromaticEPH	41.2			2.33	7.21	mg/kg	
Total EPH	Total EPH	41.2			4.84	14.4	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
FC068801.D	1	05/07/25	05/08/25	PB167903

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TARGETS						
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Aliphatic C12-C16	Aliphatic C12-C16	0.13	U	0.13	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	0.16	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	0.64	1.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1901-03	Acq On:	08 May 2025 19:09
Client Sample ID:	B-170-SB01	Operator:	YP/AJ
Data file:	FC068801.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	76596	0.773	300	ug/ml
Aliphatic C12-C16	6.643	10.042	44047	0.484	200	ug/ml
Aliphatic C16-C21	10.043	13.408	85783	1	300	ug/ml
Aliphatic C21-C28	13.409	17.072	201349	2.423	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	407775	4.68		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3145610	39.21		ug/ml
Aliphatic C9-C28	3.342	17.072	407775	4.68	1200	ug/ml