

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
02/27/25 13:10	02/28/25 21:22	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.14	mg/kg	FC068338.D
Aliphatic C12-C16	Aliphatic C12-C16	0.51	J	1	0.27	0.76	mg/kg	FC068338.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.34	1.14	mg/kg	FC068338.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.52	mg/kg	FC068338.D
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	1	2.06	2.29	mg/kg	FC068338.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.76	mg/kg	FD049146.D
Aromatic C12-C16	Aromatic C12-C16	0.45	J	1	0.39	1.14	mg/kg	FD049146.D
Aromatic C16-C21	Aromatic C16-C21	1.77	J	1	1.10	1.91	mg/kg	FD049146.D
Aromatic C21-C36	Aromatic C21-C36	2.29	U	1	2.29	3.05	mg/kg	FD049146.D
Total AliphaticEPH	Total AliphaticEPH	4.03	U		4.03	6.85	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.12	U		4.12	6.86	mg/kg	
Total EPH	Total EPH	8.15	U		8.15	13.7	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
FC068338.D	1	02/27/25	02/28/25	PB166923

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Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	0.92	1.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1422-02	Acq On:	28 Feb 2025 21:22
Client Sample ID:	B-154-SB02	Operator:	YP/AJ
Data file:	FC068338.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	584524	4.145	300	ug/ml
Aliphatic C12-C16	6.370	9.754	907415	6.64	200	ug/ml
Aliphatic C16-C21	9.755	13.107	714840	5.431	300	ug/ml
Aliphatic C21-C28	13.108	16.761	683711	5.573	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2639568	25.665	600	ug/ml
Aliphatic EPH	3.104	21.565	5530058	47.453		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	5478065	48.71		ug/ml
Aliphatic C9-C28	3.104	16.761	2890490	21.789	1200	ug/ml