

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.9
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
06/11/25 08:45	06/12/25 2:48	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	1	0.19	1.39	mg/kg	FC069171.D
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	1	0.15	0.93	mg/kg	FC069171.D
Aliphatic C16-C21	Aliphatic C16-C21	0.51	J	1	0.18	1.39	mg/kg	FC069171.D
Aliphatic C21-C28	Aliphatic C21-C28	0.74	U	1	0.74	1.85	mg/kg	FC069171.D
Aliphatic C28-C40	Aliphatic C28-C40	1.64	U	1	1.64	2.78	mg/kg	FC069171.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.17	0.93	mg/kg	FD049446.D
Aromatic C12-C16	Aromatic C12-C16	0.57	J	1	0.32	1.39	mg/kg	FD049446.D
Aromatic C16-C21	Aromatic C16-C21	3.87		1	0.56	2.31	mg/kg	FD049446.D
Aromatic C21-C36	Aromatic C21-C36	2.39	J	1	1.65	3.70	mg/kg	FD049446.D
Total AliphaticEPH	Total AliphaticEPH	2.90	U		2.90	8.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.21	J		2.69	8.33	mg/kg	
Total EPH	Total EPH	8.55	J		5.59	16.7	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069171.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	0.19	1.39	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	0.15	0.93	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.51	J	0.18	1.39	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.74	U	0.74	1.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.64	U	1.64	2.78	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2198-01	Acq On:	12 Jun 2025 02:48
Client Sample ID:	B-202-SB02	Operator:	YP/AJ
Data file:	FC069171.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	346355	3.276	300	ug/ml
Aliphatic C12-C16	6.606	10.010	575063	5.639	200	ug/ml
Aliphatic C16-C21	10.011	13.380	542966	5.548	300	ug/ml
Aliphatic C21-C28	13.381	17.048	711682	7.587	400	ug/ml
Aliphatic C28-C40	17.049	22.033	1572284	16.649	600	ug/ml
Aliphatic EPH	3.303	22.033	3748350	38.699		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3406894	37.98		ug/ml
Aliphatic C9-C28	3.303	17.048	2176066	22.05	1200	ug/ml