

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	56
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
04/08/25 10:10	04/09/25 5:39	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.03	J	1	0.25	1.78	mg/kg	FE053262.D
Aliphatic C12-C16	Aliphatic C12-C16	2.94		1	0.20	1.19	mg/kg	FE053262.D
Aliphatic C16-C21	Aliphatic C16-C21	2.15		1	0.23	1.78	mg/kg	FE053262.D
Aliphatic C21-C28	Aliphatic C21-C28	0.95	U	1	0.95	2.38	mg/kg	FE053262.D
Aliphatic C28-C40	Aliphatic C28-C40	3.24	J	1	2.10	3.57	mg/kg	FE053262.D
Aromatic C10-C12	Aromatic C10-C12	0.70	J	1	0.21	1.19	mg/kg	FD049247.D
Aromatic C12-C16	Aromatic C12-C16	0.86	J	1	0.41	1.78	mg/kg	FD049247.D
Aromatic C16-C21	Aromatic C16-C21	5.04		1	0.71	2.97	mg/kg	FD049247.D
Aromatic C21-C36	Aromatic C21-C36	3.30	J	1	2.12	4.75	mg/kg	FD049247.D
Total AliphaticEPH	Total AliphaticEPH	9.36	J		3.72	10.7	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.90	J		3.46	10.7	mg/kg	
Total EPH	Total EPH	19.3	J		7.18	21.4	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049247.D	1	04/08/25	04/08/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.70	J	0.21	1.19	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.86	J	0.41	1.78	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.04		0.71	2.97	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.30	J	2.12	4.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.8		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1744-03	Acq On:	08 Apr 2025 19:18
Client Sample ID:	B-158-SB02	Operator:	YP/AJ
Data file:	FD049247.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.441	6.187	924389	5.896	200	ug/ml
Aromatic C12-C16	6.188	8.817	1235975	7.261	300	ug/ml
Aromatic C16-C21	8.818	13.108	7110132	42.398	500	ug/ml
Aromatic C21-C36	13.109	18.525	3838590	27.788	800	ug/ml
Aromatic EPH	4.441	18.525	13109086	83.342		ug/ml
2-Bromonaphthalene (SURR)	7.754	7.754	6628486	44.75		ug/ml
2-Fluorobiphenyl (SURR)	8.620	8.620	3865225	37.89		ug/ml
ortho-Terphenyl (SURR)	11.663	11.663	6270808	35.59		ug/ml