

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-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 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 5:09	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.58	J	1	0.16	1.11	mg/kg	FE053261.D
Aliphatic C12-C16	Aliphatic C12-C16	2.48		1	0.12	0.74	mg/kg	FE053261.D
Aliphatic C16-C21	Aliphatic C16-C21	1.30		1	0.14	1.11	mg/kg	FE053261.D
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	1	0.59	1.48	mg/kg	FE053261.D
Aliphatic C28-C40	Aliphatic C28-C40	2.16	J	1	1.31	2.22	mg/kg	FE053261.D
Aromatic C10-C12	Aromatic C10-C12	0.52	J	1	0.13	0.74	mg/kg	FD049246.D
Aromatic C12-C16	Aromatic C12-C16	0.58	J	1	0.26	1.11	mg/kg	FD049246.D
Aromatic C16-C21	Aromatic C16-C21	4.68		1	0.44	1.85	mg/kg	FD049246.D
Aromatic C21-C36	Aromatic C21-C36	3.28		1	1.32	2.96	mg/kg	FD049246.D
Total AliphaticEPH	Total AliphaticEPH	6.52	J		2.32	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.07			2.15	6.66	mg/kg	
Total EPH	Total EPH	15.6			4.47	13.3	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

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-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049246.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	0.52	J	0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.58	J	0.26	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	4.68		0.44	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.28		1.32	2.96	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.0		40 - 140	80%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1744-01	Acq On:	08 Apr 2025 18:41
Client Sample ID:	B-158-SB01	Operator:	YP/AJ
Data file:	FD049246.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.441	6.187	1111599	7.09	200	ug/ml
Aromatic C12-C16	6.188	8.817	1342522	7.887	300	ug/ml
Aromatic C16-C21	8.818	13.108	10614752	63.296	500	ug/ml
Aromatic C21-C36	13.109	18.525	6138588	44.437	800	ug/ml
Aromatic EPH	4.441	18.525	19207461	122.709		ug/ml
2-Bromonaphthalene (SURRE)	7.752	7.752	5926555	40.01		ug/ml
2-Fluorobiphenyl (SURRE)	8.617	8.617	2794161	27.39		ug/ml
ortho-Terphenyl (SURRE)	11.663	11.663	8934211	50.71		ug/ml