

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 21:34	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.59	U	1	0.59	1.54	mg/kg	FG015195.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.37	1.03	mg/kg	FG015195.D
Aliphatic C16-C21	Aliphatic C16-C21	3.92		1	0.46	1.54	mg/kg	FG015195.D
Aliphatic C21-C28	Aliphatic C21-C28	1.24	U	1	1.24	2.06	mg/kg	FG015195.D
Aliphatic C28-C40	Aliphatic C28-C40	2.78	U	1	2.78	3.09	mg/kg	FG015195.D
Aromatic C10-C12	Aromatic C10-C12	0.46	U	1	0.46	1.03	mg/kg	FF015338.D
Aromatic C12-C16	Aromatic C12-C16	0.53	U	1	0.53	1.54	mg/kg	FF015338.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.48	2.57	mg/kg	FF015338.D
Aromatic C21-C36	Aromatic C21-C36	3.09	U	1	3.09	4.12	mg/kg	FF015338.D
Total AliphaticEPH	Total AliphaticEPH	5.44	U		5.44	9.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.56	U		5.56	9.26	mg/kg	
Total EPH	Total EPH	11.0	U		11.0	18.5	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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 21:34	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.59	U	1	0.59	1.54	mg/kg	FG015195.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.37	1.03	mg/kg	FG015195.D
Aliphatic C16-C21	Aliphatic C16-C21	3.92		1	0.46	1.54	mg/kg	FG015195.D
Aliphatic C21-C28	Aliphatic C21-C28	1.24	U	1	1.24	2.06	mg/kg	FG015195.D
Aliphatic C28-C40	Aliphatic C28-C40	2.78	U	1	2.78	3.09	mg/kg	FG015195.D
Aromatic C10-C12	Aromatic C10-C12	0.46	U	1	0.46	1.03	mg/kg	FF015338.D
Aromatic C12-C16	Aromatic C12-C16	0.53	U	1	0.53	1.54	mg/kg	FF015338.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.48	2.57	mg/kg	FF015338.D
Aromatic C21-C36	Aromatic C21-C36	3.09	U	1	3.09	4.12	mg/kg	FF015338.D
Total AliphaticEPH	Total AliphaticEPH	5.44	U		5.44	9.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.56	U		5.56	9.26	mg/kg	
Total EPH	Total EPH	11.0	U		11.0	18.5	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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 21:34	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.59	U	1	0.59	1.54	mg/kg	FG015195.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.37	1.03	mg/kg	FG015195.D
Aliphatic C16-C21	Aliphatic C16-C21	3.92		1	0.46	1.54	mg/kg	FG015195.D
Aliphatic C21-C28	Aliphatic C21-C28	1.24	U	1	1.24	2.06	mg/kg	FG015195.D
Aliphatic C28-C40	Aliphatic C28-C40	2.78	U	1	2.78	3.09	mg/kg	FG015195.D
Aromatic C10-C12	Aromatic C10-C12	0.46	U	1	0.46	1.03	mg/kg	FF015338.D
Aromatic C12-C16	Aromatic C12-C16	0.53	U	1	0.53	1.54	mg/kg	FF015338.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.48	2.57	mg/kg	FF015338.D
Aromatic C21-C36	Aromatic C21-C36	3.09	U	1	3.09	4.12	mg/kg	FF015338.D
Total AliphaticEPH	Total AliphaticEPH	5.44	U		5.44	9.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.56	U		5.56	9.26	mg/kg	
Total EPH	Total EPH	11.0	U		11.0	18.5	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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015338.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.46	U	0.46	1.03	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.53	U	0.53	1.54	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.61		1.48	2.57	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.09	U	3.09	4.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.8		40 - 140	116%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.0		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-04	Acq On:	28 Jan 2025 21:34
Client Sample ID:	B-113-SB02	Operator:	YP\AJ
Data file:	FF015338.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	428014	2.669	200	ug/ml
Aromatic C12-C16	6.356	9.053	699287	4.362	300	ug/ml
Aromatic C16-C21	9.054	13.372	3971986	25.35	500	ug/ml
Aromatic C21-C36	13.373	18.824	2039868	14.011	800	ug/ml
Aromatic EPH	4.485	18.824	7139155	46.391		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7626767	57.78		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	4437221	52.57		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	6884877	40		ug/ml