

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-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.09 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 18:43	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FG015189.D
Aliphatic C12-C16	Aliphatic C12-C16	0.55	J	1	0.27	0.75	mg/kg	FG015189.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.13	mg/kg	FG015189.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.51	mg/kg	FG015189.D
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	1	2.03	2.26	mg/kg	FG015189.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FF015332.D
Aromatic C12-C16	Aromatic C12-C16	0.38	U	1	0.38	1.13	mg/kg	FF015332.D
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1	1.08	1.88	mg/kg	FF015332.D
Aromatic C21-C36	Aromatic C21-C36	2.26	U	1	2.26	3.01	mg/kg	FF015332.D
Total AliphaticEPH	Total AliphaticEPH	3.97	U		3.97	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.06	U		4.06	6.77	mg/kg	
Total EPH	Total EPH	8.04	U		8.04	13.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015332.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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Aromatic C12-C16	Aromatic C12-C16	0.38	U	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.26	U	2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.3		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01	Acq On:	28 Jan 2025 18:43
Client Sample ID:	B-110-SB01	Operator:	YP\AJ
Data file:	FF015332.D	Misc:	
Instrument:	FID_F	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	298773	1.863	200	ug/ml
Aromatic C12-C16	6.356	9.053	542058	3.381	300	ug/ml
Aromatic C16-C21	9.054	13.372	3185348	20.33	500	ug/ml
Aromatic C21-C36	13.373	18.824	1322499	9.083	800	ug/ml
Aromatic EPH	4.485	18.824	5348678	34.657		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	6244647	47.31		ug/ml
2-Fluorobiphenyl (SURR)	8.864	8.864	3695410	43.78		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	5690388	33.06		ug/ml