

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.08 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 19:40	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.38		1	0.43	1.13	mg/kg FG015191.D
Aliphatic C12-C16	Aliphatic C12-C16	7.50		1	0.27	0.75	mg/kg FG015191.D
Aliphatic C16-C21	Aliphatic C16-C21	11.2		1	0.34	1.13	mg/kg FG015191.D
Aliphatic C21-C28	Aliphatic C21-C28	14.6		1	0.90	1.51	mg/kg FG015191.D
Aliphatic C28-C40	Aliphatic C28-C40	24.3		1	2.03	2.26	mg/kg FG015191.D
Aromatic C10-C12	Aromatic C10-C12	6.80		1	0.34	0.75	mg/kg FF015334.D
Aromatic C12-C16	Aromatic C12-C16	14.3		1	0.38	1.13	mg/kg FF015334.D
Aromatic C16-C21	Aromatic C16-C21	25.6		1	1.08	1.88	mg/kg FF015334.D
Aromatic C21-C36	Aromatic C21-C36	32.6		1	2.26	3.01	mg/kg FF015334.D
Total AliphaticEPH	Total AliphaticEPH	66.0			3.97	6.78	mg/kg
Total AromaticEPH	Total AromaticEPH	79.3			4.06	6.77	mg/kg
Total EPH	Total EPH	145			8.04	13.6	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

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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015334.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	14.3		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.6		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.6		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.1		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.3		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.2		40 - 140	70%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01MS	Acq On:	28 Jan 2025 19:40
Client Sample ID:	Q1194-01MS	Operator:	YP\AJ
Data file:	FF015334.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	14492019	90.367	200	ug/ml
Aromatic C12-C16	6.356	9.053	30486200	190.151	300	ug/ml
Aromatic C16-C21	9.054	13.372	53272819	339.999	500	ug/ml
Aromatic C21-C36	13.373	18.824	63071614	433.201	800	ug/ml
Aromatic EPH	4.485	18.824	161322652	1050		ug/ml
2-Bromonaphthalene (SURRE)	7.993	7.993	7140254	54.09		ug/ml
2-Fluorobiphenyl (SURRE)	8.866	8.866	4584114	54.31		ug/ml
ortho-Terphenyl (SURRE)	11.929	11.929	6065574	35.24		ug/ml