

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
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
01/28/25 08:30	01/28/25 20:08	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.23		1	0.43	1.13	mg/kg FG015192.D
Aliphatic C12-C16	Aliphatic C12-C16	7.39		1	0.27	0.75	mg/kg FG015192.D
Aliphatic C16-C21	Aliphatic C16-C21	11.1		1	0.34	1.13	mg/kg FG015192.D
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1	0.90	1.51	mg/kg FG015192.D
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	2.04	2.26	mg/kg FG015192.D
Aromatic C10-C12	Aromatic C10-C12	6.92		1	0.34	0.75	mg/kg FF015335.D
Aromatic C12-C16	Aromatic C12-C16	15.8		1	0.38	1.13	mg/kg FF015335.D
Aromatic C16-C21	Aromatic C16-C21	23.1		1	1.09	1.88	mg/kg FF015335.D
Aromatic C21-C36	Aromatic C21-C36	33.4		1	2.26	3.01	mg/kg FF015335.D
Total AliphaticEPH	Total AliphaticEPH	65.7			3.98	6.78	mg/kg
Total AromaticEPH	Total AromaticEPH	79.2			4.07	6.77	mg/kg
Total EPH	Total EPH	145			8.06	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
FF015335.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	6.92		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	15.8		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.1		1.09	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.4		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.2		40 - 140	110%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	55.3		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01MSD	Acq On:	28 Jan 2025 20:08
Client Sample ID:	Q1194-01MSD	Operator:	YP\AJ
Data file:	FF015335.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	14732048	91.863	200	ug/ml
Aromatic C12-C16	6.356	9.053	33687730	210.12	300	ug/ml
Aromatic C16-C21	9.054	13.372	48072033	306.807	500	ug/ml
Aromatic C21-C36	13.373	18.824	64483861	442.9	800	ug/ml
Aromatic EPH	4.485	18.824	160975672	1050		ug/ml
2-Bromonaphthalene (SURRE)	7.992	7.992	7289072	55.22		ug/ml
2-Fluorobiphenyl (SURRE)	8.866	8.866	4671163	55.34		ug/ml
ortho-Terphenyl (SURRE)	11.929	11.929	6186547	35.94		ug/ml