

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-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	57
Sample Wt/Vol:	30.03 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 20:37	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.67	U	1	0.67	1.75	mg/kg	FG015193.D
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	1	0.42	1.17	mg/kg	FG015193.D
Aliphatic C16-C21	Aliphatic C16-C21	2.71		1	0.53	1.75	mg/kg	FG015193.D
Aliphatic C21-C28	Aliphatic C21-C28	1.40	U	1	1.40	2.34	mg/kg	FG015193.D
Aliphatic C28-C40	Aliphatic C28-C40	3.15	U	1	3.15	3.51	mg/kg	FG015193.D
Aromatic C10-C12	Aromatic C10-C12	0.53	U	1	0.53	1.17	mg/kg	FF015353.D
Aromatic C12-C16	Aromatic C12-C16	3.47		1	0.60	1.75	mg/kg	FF015353.D
Aromatic C16-C21	Aromatic C16-C21	5.28		1	1.68	2.92	mg/kg	FF015353.D
Aromatic C21-C36	Aromatic C21-C36	3.51	U	1	3.51	4.67	mg/kg	FF015353.D
Total AliphaticEPH	Total AliphaticEPH	6.16	U		6.16	10.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.75	J		6.31	10.5	mg/kg	
Total EPH	Total EPH	12.5	U		12.5	21.0	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

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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015353.D	1	01/28/25	01/29/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.53	U	0.53	1.17	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.47		0.60	1.75	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.28		1.68	2.92	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.51	U	3.51	4.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.6		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.3		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-02	Acq On:	29 Jan 2025 09:48
Client Sample ID:	B-110-SB02	Operator:	YP\AJ
Data file:	FF015353.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.500	6.368	279813	1.745	200	ug/ml
Aromatic C12-C16	6.369	9.062	4757063	29.671	300	ug/ml
Aromatic C16-C21	9.063	13.376	7074773	45.153	500	ug/ml
Aromatic C21-C36	13.377	18.826	3842752	26.394	800	ug/ml
Aromatic EPH	4.500	18.826	15954401	102.962		ug/ml
2-Bromonaphthalene (SURR)	7.989	7.989	6282099	47.59		ug/ml
2-Fluorobiphenyl (SURR)	8.862	8.862	4067153	48.18		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	4518606	26.25		ug/ml