

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-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06 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 21:05	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.15	mg/kg	FG015194.D
Aliphatic C12-C16	Aliphatic C12-C16	0.56	J	1	0.28	0.77	mg/kg	FG015194.D
Aliphatic C16-C21	Aliphatic C16-C21	2.78		1	0.35	1.15	mg/kg	FG015194.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.53	mg/kg	FG015194.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	1	2.07	2.30	mg/kg	FG015194.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FF015337.D
Aromatic C12-C16	Aromatic C12-C16	0.39	J	1	0.39	1.15	mg/kg	FF015337.D
Aromatic C16-C21	Aromatic C16-C21	2.48		1	1.10	1.91	mg/kg	FF015337.D
Aromatic C21-C36	Aromatic C21-C36	2.30	U	1	2.30	3.06	mg/kg	FF015337.D
Total AliphaticEPH	Total AliphaticEPH	4.05	U		4.05	6.90	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.13	U		4.13	6.89	mg/kg	
Total EPH	Total EPH	8.18	U		8.18	13.8	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015337.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	0.35	U	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	J	0.39	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.48		1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.30	U	2.30	3.06	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.1		40 - 140	114%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	56.2		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.7		40 - 140	89%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-03	Acq On:	28 Jan 2025 21:05
Client Sample ID:	B-113-SB01	Operator:	YP\AJ
Data file:	FF015337.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	354941	2.213	200	ug/ml
Aromatic C12-C16	6.356	9.053	818900	5.108	300	ug/ml
Aromatic C16-C21	9.054	13.372	5066389	32.335	500	ug/ml
Aromatic C21-C36	13.373	18.824	2941766	20.205	800	ug/ml
Aromatic EPH	4.485	18.824	9181996	59.861		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7533896	57.07		ug/ml
2-Fluorobiphenyl (SURR)	8.866	8.866	4747058	56.24		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	7699111	44.72		ug/ml