

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
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
08/21/25 11:00	08/25/25 9:53	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.34	J	1	0.15	1.07	mg/kg	FE055474.D
Aliphatic C12-C16	Aliphatic C12-C16	1.44		1	0.12	0.71	mg/kg	FE055474.D
Aliphatic C16-C21	Aliphatic C16-C21	0.97	J	1	0.14	1.07	mg/kg	FE055474.D
Aliphatic C21-C28	Aliphatic C21-C28	2.00		1	0.57	1.43	mg/kg	FE055474.D
Aliphatic C28-C40	Aliphatic C28-C40	39.0		1	1.26	2.14	mg/kg	FE055474.D
Aromatic C10-C12	Aromatic C10-C12	0.49	J	1	0.13	0.71	mg/kg	FD049649.D
Aromatic C12-C16	Aromatic C12-C16	0.71	J	1	0.25	1.07	mg/kg	FD049649.D
Aromatic C16-C21	Aromatic C16-C21	8.74		1	0.43	1.78	mg/kg	FD049649.D
Aromatic C21-C36	Aromatic C21-C36	15.6		1	1.27	2.85	mg/kg	FD049649.D
Total AliphaticEPH	Total AliphaticEPH	43.8			2.23	6.42	mg/kg	
Total AromaticEPH	Total AromaticEPH	25.5			2.07	6.41	mg/kg	
Total EPH	Total EPH	69.3			4.31	12.8	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
FD049649.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.49	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.71	J	0.25	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	8.74		0.43	1.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.6		1.27	2.85	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.3		40 - 140	125%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.8		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	63.1		40 - 140	126%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2832-01	Acq On:	22 Aug 2025 17:58
Client Sample ID:	TG-S01	Operator:	YP/AJ
Data file:	FD049649.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	743950	6.892	200	ug/ml
Aromatic C12-C16	6.151	8.778	1235816	10	300	ug/ml
Aromatic C16-C21	8.779	13.069	15520936	122.708	500	ug/ml
Aromatic C21-C36	13.070	18.489	24710528	219.418	800	ug/ml
Aromatic EPH	4.407	18.489	42211230	359.019		ug/ml
2-Bromonaphthalene (SURRE)	7.716	7.716	6384780	62.3		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	3346911	45.82		ug/ml
ortho-Terphenyl (SURRE)	11.629	11.629	8185651	63.07		ug/ml