

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.1 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 11:54	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.46	J	1	0.15	1.10	mg/kg	FE055478.D
Aliphatic C12-C16	Aliphatic C12-C16	0.68	J	1	0.12	0.73	mg/kg	FE055478.D
Aliphatic C16-C21	Aliphatic C16-C21	0.66	J	1	0.14	1.10	mg/kg	FE055478.D
Aliphatic C21-C28	Aliphatic C21-C28	1.62		1	0.58	1.46	mg/kg	FE055478.D
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	1.29	2.19	mg/kg	FE055478.D
Aromatic C10-C12	Aromatic C10-C12	0.48	J	1	0.13	0.73	mg/kg	FD049653.D
Aromatic C12-C16	Aromatic C12-C16	0.73	J	1	0.25	1.10	mg/kg	FD049653.D
Aromatic C16-C21	Aromatic C16-C21	6.51		1	0.44	1.83	mg/kg	FD049653.D
Aromatic C21-C36	Aromatic C21-C36	9.81		1	1.30	2.92	mg/kg	FD049653.D
Total AliphaticEPH	Total AliphaticEPH	14.6			2.29	6.58	mg/kg	
Total AromaticEPH	Total AromaticEPH	17.5			2.12	6.58	mg/kg	
Total EPH	Total EPH	32.1			4.41	13.2	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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Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049653.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	0.48	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.73	J	0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	6.51		0.44	1.83	mg/kg
Aromatic C21-C36	Aromatic C21-C36	9.81		1.30	2.92	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.7		40 - 140	129%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	64.5		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.4		40 - 140	113%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2832-09	Acq On:	22 Aug 2025 20:56
Client Sample ID:	TG-S05	Operator:	YP/AJ
Data file:	FD049653.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	713368	6.609	200	ug/ml
Aromatic C12-C16	6.151	8.778	1240740	10.04	300	ug/ml
Aromatic C16-C21	8.779	13.069	11272901	89.123	500	ug/ml
Aromatic C21-C36	13.070	18.489	15120402	134.262	800	ug/ml
Aromatic EPH	4.407	18.489	28347411	240.035		ug/ml
2-Bromonaphthalene (SURRE)	7.717	7.717	6629575	64.69		ug/ml
2-Fluorobiphenyl (SURRE)	8.582	8.582	4713081	64.52		ug/ml
ortho-Terphenyl (SURRE)	11.629	11.629	7313708	56.35		ug/ml