

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-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.07 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 11:24	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	J	1	0.15	1.07	mg/kg	FE055477.D
Aliphatic C12-C16	Aliphatic C12-C16	1.04		1	0.12	0.71	mg/kg	FE055477.D
Aliphatic C16-C21	Aliphatic C16-C21	0.94	J	1	0.14	1.07	mg/kg	FE055477.D
Aliphatic C21-C28	Aliphatic C21-C28	2.06		1	0.57	1.43	mg/kg	FE055477.D
Aliphatic C28-C40	Aliphatic C28-C40	14.1		1	1.26	2.14	mg/kg	FE055477.D
Aromatic C10-C12	Aromatic C10-C12	0.53	J	1	0.13	0.71	mg/kg	FD049652.D
Aromatic C12-C16	Aromatic C12-C16	0.96	J	1	0.25	1.07	mg/kg	FD049652.D
Aromatic C16-C21	Aromatic C16-C21	13.3		1	0.43	1.79	mg/kg	FD049652.D
Aromatic C21-C36	Aromatic C21-C36	34.1		1	1.28	2.86	mg/kg	FD049652.D
Total AliphaticEPH	Total AliphaticEPH	18.6			2.23	6.42	mg/kg	
Total AromaticEPH	Total AromaticEPH	48.9			2.08	6.43	mg/kg	
Total EPH	Total EPH	67.5			4.32	12.9	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:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049652.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	0.53	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.96	J	0.25	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	13.3		0.43	1.79	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.1		1.28	2.86	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.3		40 - 140	97%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2832-07	Acq On:	22 Aug 2025 20:12
Client Sample ID:	TG-S04	Operator:	YP/AJ
Data file:	FD049652.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	802119	7.431	200	ug/ml
Aromatic C12-C16	6.151	8.778	1664127	13.466	300	ug/ml
Aromatic C16-C21	8.779	13.069	23521992	185.965	500	ug/ml
Aromatic C21-C36	13.070	18.489	53721912	477.027	800	ug/ml
Aromatic EPH	4.407	18.489	79710150	683.888		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	4953179	48.33		ug/ml
2-Fluorobiphenyl (SURR)	8.580	8.580	3299028	45.16		ug/ml
ortho-Terphenyl (SURR)	11.627	11.627	4737765	36.5		ug/ml