

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-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.04 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 10:53	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.62	J	1	0.15	1.06	mg/kg	FE055476.D
Aliphatic C12-C16	Aliphatic C12-C16	0.98		1	0.12	0.71	mg/kg	FE055476.D
Aliphatic C16-C21	Aliphatic C16-C21	0.94	J	1	0.14	1.06	mg/kg	FE055476.D
Aliphatic C21-C28	Aliphatic C21-C28	1.87		1	0.56	1.42	mg/kg	FE055476.D
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1	1.26	2.13	mg/kg	FE055476.D
Aromatic C10-C12	Aromatic C10-C12	0.58	J	1	0.13	0.71	mg/kg	FD049651.D
Aromatic C12-C16	Aromatic C12-C16	0.99	J	1	0.25	1.06	mg/kg	FD049651.D
Aromatic C16-C21	Aromatic C16-C21	14.2		1	0.43	1.77	mg/kg	FD049651.D
Aromatic C21-C36	Aromatic C21-C36	27.7		1	1.27	2.84	mg/kg	FD049651.D
Total AliphaticEPH	Total AliphaticEPH	41.0			2.23	6.38	mg/kg	
Total AromaticEPH	Total AromaticEPH	43.5			2.07	6.38	mg/kg	
Total EPH	Total EPH	84.5			4.30	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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Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049651.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	0.58	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.99	J	0.25	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.2		0.43	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.7		1.27	2.84	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.5		40 - 140	123%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.2		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.4		40 - 140	101%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2832-05	Acq On:	22 Aug 2025 19:28
Client Sample ID:	TG-S03	Operator:	YP/AJ
Data file:	FD049651.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	884058	8.19	200	ug/ml
Aromatic C12-C16	6.151	8.778	1718251	13.904	300	ug/ml
Aromatic C16-C21	8.779	13.069	25258333	199.692	500	ug/ml
Aromatic C21-C36	13.070	18.489	43966031	390.399	800	ug/ml
Aromatic EPH	4.407	18.489	71826673	612.185		ug/ml
2-Bromonaphthalene (SURR)	7.717	7.717	6304352	61.51		ug/ml
2-Fluorobiphenyl (SURR)	8.582	8.582	4400461	60.24		ug/ml
ortho-Terphenyl (SURR)	11.629	11.629	6545749	50.43		ug/ml