

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1744
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/09/25 4:39	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.25		1	0.14	1.00	mg/kg FE053260.D
Aliphatic C12-C16	Aliphatic C12-C16	5.72		1	0.11	0.67	mg/kg FE053260.D
Aliphatic C16-C21	Aliphatic C16-C21	9.82		1	0.13	1.00	mg/kg FE053260.D
Aliphatic C21-C28	Aliphatic C21-C28	13.5		1	0.53	1.33	mg/kg FE053260.D
Aliphatic C28-C40	Aliphatic C28-C40	23.3		1	1.18	2.00	mg/kg FE053260.D
Aromatic C10-C12	Aromatic C10-C12	2.93		1	0.12	0.67	mg/kg FD049245.D
Aromatic C12-C16	Aromatic C12-C16	6.04		1	0.23	1.00	mg/kg FD049245.D
Aromatic C16-C21	Aromatic C16-C21	14.0		1	0.40	1.67	mg/kg FD049245.D
Aromatic C21-C36	Aromatic C21-C36	24.6		1	1.19	2.67	mg/kg FD049245.D
Total AliphaticEPH	Total AliphaticEPH	58.6			2.09	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	47.6			1.94	6.01	mg/kg
Total EPH	Total EPH	106			4.03	12.0	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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049245.D	1	04/08/25	04/08/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.93		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.04		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.6		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.7		40 - 140	87%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BSD	Acq On:	08 Apr 2025 18:03
Client Sample ID:	PB167513BSD	Operator:	YP/AJ
Data file:	FD049245.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.441	6.187	6885595	43.915	200	ug/ml
Aromatic C12-C16	6.188	8.817	15421503	90.595	300	ug/ml
Aromatic C16-C21	8.818	13.108	35193307	209.857	500	ug/ml
Aromatic C21-C36	13.109	18.525	50933135	368.705	800	ug/ml
Aromatic EPH	4.441	18.525	108433540	713.073		ug/ml
2-Bromonaphthalene (SURR)	7.752	7.752	6476229	43.72		ug/ml
2-Fluorobiphenyl (SURR)	8.618	8.618	3112167	30.51		ug/ml
ortho-Terphenyl (SURR)	11.662	11.662	7620194	43.25		ug/ml