

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BSD	SDG No.:	Q1194
Lab Sample ID:	PB166218BSD	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
01/28/25 08:30	01/28/25 16:49	PB166218

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.22		1	0.38	1.00	mg/kg FG015185.D
Aliphatic C12-C16	Aliphatic C12-C16	6.61		1	0.24	0.67	mg/kg FG015185.D
Aliphatic C16-C21	Aliphatic C16-C21	12.1		1	0.30	1.00	mg/kg FG015185.D
Aliphatic C21-C28	Aliphatic C21-C28	16.3		1	0.80	1.33	mg/kg FG015185.D
Aliphatic C28-C40	Aliphatic C28-C40	27.7		1	1.80	2.00	mg/kg FG015185.D
Aromatic C10-C12	Aromatic C10-C12	6.32		1	0.30	0.67	mg/kg FF015328.D
Aromatic C12-C16	Aromatic C12-C16	11.8		1	0.34	1.00	mg/kg FF015328.D
Aromatic C16-C21	Aromatic C16-C21	22.8		1	0.96	1.67	mg/kg FF015328.D
Aromatic C21-C36	Aromatic C21-C36	35.7		1	2.00	2.67	mg/kg FF015328.D
Total AliphaticEPH	Total AliphaticEPH	69.9			3.52	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	76.6			3.60	6.01	mg/kg
Total EPH	Total EPH	147			7.12	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015328.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.32		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.8		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	22.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	35.7		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	67.4		40 - 140	135%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.7		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.6		40 - 140	101%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166218BSD	Acq On:	28 Jan 2025 16:49
Client Sample ID:	PB166218BSD	Operator:	YP\AJ
Data file:	FF015328.D	Misc:	
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	15213196	94.864	200	ug/ml
Aromatic C12-C16	6.356	9.053	28427662	177.311	300	ug/ml
Aromatic C16-C21	9.054	13.372	53542946	341.723	500	ug/ml
Aromatic C21-C36	13.373	18.824	78100409	536.424	800	ug/ml
Aromatic EPH	4.485	18.824	175284213	1150		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	8894035	67.38		ug/ml
2-Fluorobiphenyl (SURR)	8.866	8.866	5036514	59.67		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	8717752	50.64		ug/ml