

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BSD	SDG No.:	Q1488
Lab Sample ID:	PB167058BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 09:20	03/10/25 21:02	PB167058

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.52		1	0.38	1.00	mg/kg	FE052710.D
Aliphatic C12-C16	Aliphatic C12-C16	5.40		1	0.24	0.67	mg/kg	FE052710.D
Aliphatic C16-C21	Aliphatic C16-C21	9.11		1	0.30	1.00	mg/kg	FE052710.D
Aliphatic C21-C28	Aliphatic C21-C28	12.2		1	0.80	1.33	mg/kg	FE052710.D
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.80	2.00	mg/kg	FE052710.D
Aromatic C10-C12	Aromatic C10-C12	5.04		1	0.30	0.67	mg/kg	FF015631.D
Aromatic C12-C16	Aromatic C12-C16	8.92		1	0.34	1.00	mg/kg	FF015631.D
Aromatic C16-C21	Aromatic C16-C21	17.2		1	0.96	1.67	mg/kg	FF015631.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	2.00	2.66	mg/kg	FF015631.D
Total AliphaticEPH	Total AliphaticEPH	52.7			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	57.9			3.60	6.00	mg/kg	
Total EPH	Total EPH	111			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052710.D	1	03/10/25	03/10/25	PB167058

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.52		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.40		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.11		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.2		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167058BSD	Acq On:	10 Mar 2025 21:02
Client Sample ID:	PB167058BSD	Operator:	YP\AJ
Data file:	FE052710.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	12921375	82.857	300	ug/ml
Aliphatic C12-C16	6.797	10.250	12321945	81.013	200	ug/ml
Aliphatic C16-C21	10.251	13.630	20040339	136.749	300	ug/ml
Aliphatic C21-C28	13.631	17.305	26003921	182.545	400	ug/ml
Aliphatic C28-C40	17.306	22.234	39350470	308.416	600	ug/ml
Aliphatic EPH	3.151	22.234	110638050	791.58		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.359	13.359	5296371	43.62		ug/ml
Aliphatic C9-C28	3.151	17.305	71287580	483.164	1200	ug/ml