

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
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
03/10/25 09:20	03/11/25 3:04	PB167058

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.12	mg/kg	FE052722.D
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	1	0.27	0.75	mg/kg	FE052722.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.12	mg/kg	FE052722.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.49	mg/kg	FE052722.D
Aliphatic C28-C40	Aliphatic C28-C40	2.02	U	1	2.02	2.24	mg/kg	FE052722.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FF015643.D
Aromatic C12-C16	Aromatic C12-C16	0.38	U	1	0.38	1.12	mg/kg	FF015643.D
Aromatic C16-C21	Aromatic C16-C21	1.08	U	1	1.08	1.87	mg/kg	FF015643.D
Aromatic C21-C36	Aromatic C21-C36	2.24	U	1	2.24	2.99	mg/kg	FF015643.D
Total AliphaticEPH	Total AliphaticEPH	3.95	U		3.95	6.72	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.04	U		4.04	6.73	mg/kg	
Total EPH	Total EPH	7.99	U		7.99	13.4	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

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052722.D	1	03/10/25	03/11/25	PB167058

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SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.0		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-05	Acq On:	11 Mar 2025 03:04
Client Sample ID:	ENV-103-SB01	Operator:	YP\AJ
Data file:	FE052722.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	401501	2.575	300	ug/ml
Aliphatic C12-C16	6.797	10.250	903609	5.941	200	ug/ml
Aliphatic C16-C21	10.251	13.630	485029	3.31	300	ug/ml
Aliphatic C21-C28	13.631	17.305	416585	2.924	400	ug/ml
Aliphatic C28-C40	17.306	22.234	2835604	22.224	600	ug/ml
Aliphatic EPH	3.151	22.234	5042328	36.974		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	3522443	29.01		ug/ml
Aliphatic C9-C28	3.151	17.305	2206724	14.75	1200	ug/ml