

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-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.05 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 2:34	PB167058

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.47	U	1	0.47	1.23	mg/kg	FE052721.D
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	1	0.30	0.82	mg/kg	FE052721.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	U	1	0.37	1.23	mg/kg	FE052721.D
Aliphatic C21-C28	Aliphatic C21-C28	0.99	U	1	0.99	1.64	mg/kg	FE052721.D
Aliphatic C28-C40	Aliphatic C28-C40	3.26		1	2.22	2.47	mg/kg	FE052721.D
Aromatic C10-C12	Aromatic C10-C12	0.37	U	1	0.37	0.82	mg/kg	FF015642.D
Aromatic C12-C16	Aromatic C12-C16	0.49	J	1	0.42	1.23	mg/kg	FF015642.D
Aromatic C16-C21	Aromatic C16-C21	1.73	J	1	1.18	2.05	mg/kg	FF015642.D
Aromatic C21-C36	Aromatic C21-C36	2.47	U	1	2.47	3.29	mg/kg	FF015642.D
Total AliphaticEPH	Total AliphaticEPH	4.34	U		4.34	7.39	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.44	U		4.44	7.39	mg/kg	
Total EPH	Total EPH	8.78	U		8.78	14.8	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

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FE052721.D	1	03/10/25	03/11/25	PB167058

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Aliphatic C28-C40	Aliphatic C28-C40	3.26		2.22	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-03	Acq On:	11 Mar 2025 02:34
Client Sample ID:	ENV-105-SB02	Operator:	YP\AJ
Data file:	FE052721.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	464901	2.981	300	ug/ml
Aliphatic C12-C16	6.797	10.250	964505	6.341	200	ug/ml
Aliphatic C16-C21	10.251	13.630	500539	3.416	300	ug/ml
Aliphatic C21-C28	13.631	17.305	652029	4.577	400	ug/ml
Aliphatic C28-C40	17.306	22.234	5064467	39.694	600	ug/ml
Aliphatic EPH	3.151	22.234	7646441	57.009		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4082642	33.62		ug/ml
Aliphatic C9-C28	3.151	17.305	2581974	17.315	1200	ug/ml