

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.08 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 23:32	PB167058

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	U	1	0.42	1.10	mg/kg	FE052715.D
Aliphatic C12-C16	Aliphatic C12-C16	0.70	J	1	0.26	0.73	mg/kg	FE052715.D
Aliphatic C16-C21	Aliphatic C16-C21	0.33	U	1	0.33	1.10	mg/kg	FE052715.D
Aliphatic C21-C28	Aliphatic C21-C28	0.88	U	1	0.88	1.47	mg/kg	FE052715.D
Aliphatic C28-C40	Aliphatic C28-C40	1.98	U	1	1.98	2.20	mg/kg	FE052715.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.73	mg/kg	FF015636.D
Aromatic C12-C16	Aromatic C12-C16	0.37	U	1	0.37	1.10	mg/kg	FF015636.D
Aromatic C16-C21	Aromatic C16-C21	1.06	U	1	1.06	1.83	mg/kg	FF015636.D
Aromatic C21-C36	Aromatic C21-C36	2.20	U	1	2.20	2.94	mg/kg	FF015636.D
Total AliphaticEPH	Total AliphaticEPH	3.87	U		3.87	6.60	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.96	U		3.96	6.60	mg/kg	
Total EPH	Total EPH	7.84	U		7.84	13.2	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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FE052715.D	1	03/10/25	03/10/25	PB167058

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Aliphatic C28-C40	Aliphatic C28-C40	1.98	U	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.4		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1488-03	Acq On:	10 Mar 2025 23:32
Client Sample ID:	ENV-101-SB02	Operator:	YP\AJ
Data file:	FE052715.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	433142	2.777	300	ug/ml
Aliphatic C12-C16	6.797	10.250	1456046	9.573	200	ug/ml
Aliphatic C16-C21	10.251	13.630	595343	4.062	300	ug/ml
Aliphatic C21-C28	13.631	17.305	855082	6.003	400	ug/ml
Aliphatic C28-C40	17.306	22.234	2417303	18.946	600	ug/ml
Aliphatic EPH	3.151	22.234	5756916	41.362		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4181776	34.44		ug/ml
Aliphatic C9-C28	3.151	17.305	3339613	22.415	1200	ug/ml