

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/09/25 7:39	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.95		1	0.16	1.12	mg/kg	FE053266.D
Aliphatic C12-C16	Aliphatic C12-C16	10.2		1	0.12	0.75	mg/kg	FE053266.D
Aliphatic C16-C21	Aliphatic C16-C21	12.5		1	0.14	1.12	mg/kg	FE053266.D
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1	0.59	1.49	mg/kg	FE053266.D
Aliphatic C28-C40	Aliphatic C28-C40	24.0		1	1.32	2.24	mg/kg	FE053266.D
Aromatic C10-C12	Aromatic C10-C12	2.70		1	0.13	0.75	mg/kg	FD049251.D
Aromatic C12-C16	Aromatic C12-C16	6.30		1	0.26	1.12	mg/kg	FD049251.D
Aromatic C16-C21	Aromatic C16-C21	17.2		1	0.45	1.86	mg/kg	FD049251.D
Aromatic C21-C36	Aromatic C21-C36	26.6		1	1.33	2.98	mg/kg	FD049251.D
Total AliphaticEPH	Total AliphaticEPH	67.2			2.34	6.71	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.8			2.17	6.71	mg/kg	
Total EPH	Total EPH	120			4.50	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

D = Dilution

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Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049251.D	1	04/08/25	04/08/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.70		0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.30		0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.2		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.6		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	34.6		40 - 140	69%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	27.0		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01MSD	Acq On:	08 Apr 2025 21:48
Client Sample ID:	B-149-SB01MSD	Operator:	YP/AJ
Data file:	FD049251.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.441	6.187	5679616	36.224	200	ug/ml
Aromatic C12-C16	6.188	8.817	14401005	84.6	300	ug/ml
Aromatic C16-C21	8.818	13.108	38661305	230.536	500	ug/ml
Aromatic C21-C36	13.109	18.525	49408266	357.667	800	ug/ml
Aromatic EPH	4.441	18.525	108150192	709.027		ug/ml
2-Bromonaphthalene (SURRE)	7.751	7.751	5133085	34.65		ug/ml
2-Fluorobiphenyl (SURRE)	8.616	8.616	2752734	26.99		ug/ml
ortho-Terphenyl (SURRE)	11.659	11.659	5266063	29.89		ug/ml