

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 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	04/11/25 1:55	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.46		1	0.16	1.12	mg/kg FC068567.D
Aliphatic C12-C16	Aliphatic C12-C16	7.54		1	0.12	0.75	mg/kg FC068567.D
Aliphatic C16-C21	Aliphatic C16-C21	10.3		1	0.14	1.12	mg/kg FC068567.D
Aliphatic C21-C28	Aliphatic C21-C28	13.2		1	0.59	1.49	mg/kg FC068567.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg FC068567.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg FD049276.D
Aromatic C12-C16	Aromatic C12-C16	6.86		1	0.26	1.12	mg/kg FD049276.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.45	1.86	mg/kg FD049276.D
Aromatic C21-C36	Aromatic C21-C36	30.2		1	1.33	2.98	mg/kg FD049276.D
Total AliphaticEPH	Total AliphaticEPH	57.4			2.34	6.72	mg/kg
Total AromaticEPH	Total AromaticEPH	58.5			2.17	6.71	mg/kg
Total EPH	Total EPH	116			4.51	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068567.D	1	04/08/25	04/11/25	PB167513

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Aliphatic C9-C12	Aliphatic C9-C12	5.46		0.16	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.54		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.3		0.14	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.2		0.59	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01MS	Acq On:	11 Apr 2025 01:55
Client Sample ID:	B-149-SB01MS	Operator:	YP/AJ
Data file:	FC068567.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7702838	73.164	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10348107	101.132	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13666430	138.301	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16611483	176.37	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25202936	280.398	600	ug/ml
Aliphatic EPH	3.345	22.075	73531794	769.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3712633	39.97		ug/ml
Aliphatic C9-C28	3.345	17.073	48328858	488.967	1200	ug/ml