

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD	SDG No.:	Q2832
Lab Sample ID:	Q2892-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
08/21/25 11:00	08/22/25 20:12	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.20		1	0.16	1.13	mg/kg	FC069714.D
Aliphatic C12-C16	Aliphatic C12-C16	5.49		1	0.12	0.75	mg/kg	FC069714.D
Aliphatic C16-C21	Aliphatic C16-C21	9.10		1	0.15	1.13	mg/kg	FC069714.D
Aliphatic C21-C28	Aliphatic C21-C28	12.1		1	0.60	1.50	mg/kg	FC069714.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.33	2.26	mg/kg	FC069714.D
Aromatic C10-C12	Aromatic C10-C12	6.37		1	0.14	0.75	mg/kg	FD049661.D
Aromatic C12-C16	Aromatic C12-C16	10.3		1	0.26	1.13	mg/kg	FD049661.D
Aromatic C16-C21	Aromatic C16-C21	21.9		1	0.45	1.88	mg/kg	FD049661.D
Aromatic C21-C36	Aromatic C21-C36	35.6		1	1.34	3.01	mg/kg	FD049661.D
Total AliphaticEPH	Total AliphaticEPH	54.2			2.36	6.77	mg/kg	
Total AromaticEPH	Total AromaticEPH	74.2			2.19	6.77	mg/kg	
Total EPH	Total EPH	128			4.54	13.5	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069714.D	1	08/21/25	08/22/25	PB169364

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Aliphatic C12-C16	Aliphatic C12-C16	5.49		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.10		0.15	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.1		0.60	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		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:	Q2892-05MSD	Acq On:	22 Aug 2025 20:12
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD	Operator:	YP/AJ
Data file:	FC069714.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	11928499	82.448	300	ug/ml
Aliphatic C12-C16	6.595	9.996	10468069	72.981	200	ug/ml
Aliphatic C16-C21	9.997	13.364	16175482	121.109	300	ug/ml
Aliphatic C21-C28	13.365	17.031	19064324	161.142	400	ug/ml
Aliphatic C28-C40	17.032	22.001	26982920	283.091	600	ug/ml
Aliphatic EPH	3.298	22.001	84619294	720.771		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	3776700	34.64		ug/ml
Aliphatic C9-C28	3.298	17.031	57636374	437.68	1200	ug/ml