

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.8
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
12/19/24 14:05	12/20/24 13:58	PB165775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.13	J	1	0.55	1.45	mg/kg	FC068065.D
Aliphatic C12-C16	Aliphatic C12-C16	10.8		1	0.35	0.97	mg/kg	FC068065.D
Aliphatic C16-C21	Aliphatic C16-C21	0.89	J	1	0.44	1.45	mg/kg	FC068065.D
Aliphatic C21-C28	Aliphatic C21-C28	1.16	U	1	1.16	1.94	mg/kg	FC068065.D
Aliphatic C28-C40	Aliphatic C28-C40	8.94		1	2.61	2.90	mg/kg	FC068065.D
Aromatic C10-C12	Aromatic C10-C12	0.44	U	1	0.44	0.97	mg/kg	FD048903.D
Aromatic C12-C16	Aromatic C12-C16	1.75		1	0.49	1.45	mg/kg	FD048903.D
Aromatic C16-C21	Aromatic C16-C21	2.58		1	1.39	2.42	mg/kg	FD048903.D
Aromatic C21-C36	Aromatic C21-C36	4.39		1	2.90	3.87	mg/kg	FD048903.D
Total AliphaticEPH	Total AliphaticEPH	21.8			5.11	8.71	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.72			5.22	8.71	mg/kg	
Total EPH	Total EPH	30.5			10.3	17.4	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
FC068065.D	1	12/19/24	12/20/24	PB165775

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Aliphatic C21-C28	Aliphatic C21-C28	1.16	U	1.16	1.94	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.94		2.61	2.90	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5299-03	Acq On:	20 Dec 2024 13:58
Client Sample ID:	SB-01	Operator:	YP/AJ
Data file:	FC068065.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	1855427	11.721	300	ug/ml
Aliphatic C12-C16	6.390	9.779	17925000	111.839	200	ug/ml
Aliphatic C16-C21	9.780	13.137	1396653	9.167	300	ug/ml
Aliphatic C21-C28	13.138	16.791	890402	6.529	400	ug/ml
Aliphatic C28-C40	16.792	21.609	9782704	92.32	600	ug/ml
Aliphatic EPH	3.117	21.609	31850186	231.575		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.888	12.888	6062473	47.51		ug/ml
Aliphatic C9-C28	3.117	16.791	22067482	139.256	1200	ug/ml