

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MS	SDG No.:	P5299
Lab Sample ID:	P5299-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.02 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 16:26	PB165775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.56		1	0.48	1.26	mg/kg FC068068.D
Aliphatic C12-C16	Aliphatic C12-C16	7.81		1	0.30	0.84	mg/kg FC068068.D
Aliphatic C16-C21	Aliphatic C16-C21	9.22		1	0.38	1.26	mg/kg FC068068.D
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1	1.01	1.68	mg/kg FC068068.D
Aliphatic C28-C40	Aliphatic C28-C40	32.0		1	2.27	2.52	mg/kg FC068068.D
Aromatic C10-C12	Aromatic C10-C12	6.78		1	0.38	0.84	mg/kg FD048906.D
Aromatic C12-C16	Aromatic C12-C16	15.7		1	0.43	1.26	mg/kg FD048906.D
Aromatic C16-C21	Aromatic C16-C21	24.6		1	1.21	2.10	mg/kg FD048906.D
Aromatic C21-C36	Aromatic C21-C36	42.6		1	2.52	3.36	mg/kg FD048906.D
Total AliphaticEPH	Total AliphaticEPH	68.0			4.44	7.56	mg/kg
Total AromaticEPH	Total AromaticEPH	89.7			4.54	7.56	mg/kg
Total EPH	Total EPH	158			8.98	15.1	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
FC068068.D	1	12/19/24	12/20/24	PB165775

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Aliphatic C9-C12	Aliphatic C9-C12	6.56		0.48	1.26	mg/kg
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Aliphatic C16-C21	Aliphatic C16-C21	9.22		0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.0		2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5299-04MS	Acq On:	20 Dec 2024 16:26
Client Sample ID:	SB-02MS	Operator:	YP/AJ
Data file:	FC068068.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	12344745	77.982	300	ug/ml
Aliphatic C12-C16	6.390	9.779	14883432	92.862	200	ug/ml
Aliphatic C16-C21	9.780	13.137	16693928	109.567	300	ug/ml
Aliphatic C21-C28	13.138	16.791	20027798	146.848	400	ug/ml
Aliphatic C28-C40	16.792	21.609	40325392	380.555	600	ug/ml
Aliphatic EPH	3.117	21.609	104275295	807.814		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.887	12.887	5270189	41.3		ug/ml
Aliphatic C9-C28	3.117	16.791	63949903	427.259	1200	ug/ml