

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MSD	SDG No.:	P5299
Lab Sample ID:	P5299-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.01 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 17:03	PB165775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.42		1	0.48	1.26	mg/kg FC068069.D
Aliphatic C12-C16	Aliphatic C12-C16	7.57		1	0.30	0.84	mg/kg FC068069.D
Aliphatic C16-C21	Aliphatic C16-C21	8.97		1	0.38	1.26	mg/kg FC068069.D
Aliphatic C21-C28	Aliphatic C21-C28	12.0		1	1.01	1.68	mg/kg FC068069.D
Aliphatic C28-C40	Aliphatic C28-C40	27.1		1	2.27	2.52	mg/kg FC068069.D
Aromatic C10-C12	Aromatic C10-C12	6.85		1	0.38	0.84	mg/kg FD048907.D
Aromatic C12-C16	Aromatic C12-C16	12.4		1	0.43	1.26	mg/kg FD048907.D
Aromatic C16-C21	Aromatic C16-C21	25.0		1	1.21	2.10	mg/kg FD048907.D
Aromatic C21-C36	Aromatic C21-C36	43.0		1	2.52	3.37	mg/kg FD048907.D
Total AliphaticEPH	Total AliphaticEPH	62.1			4.44	7.56	mg/kg
Total AromaticEPH	Total AromaticEPH	87.3			4.54	7.57	mg/kg
Total EPH	Total EPH	149			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068069.D	1	12/19/24	12/20/24	PB165775

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Aliphatic C12-C16	Aliphatic C12-C16	7.57		0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.97		0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.0		1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.1		2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		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:	P5299-04MSD	Acq On:	20 Dec 2024 17:03
Client Sample ID:	SB-02MSD	Operator:	YP/AJ
Data file:	FC068069.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	12086067	76.348	300	ug/ml
Aliphatic C12-C16	6.390	9.779	14426671	90.012	200	ug/ml
Aliphatic C16-C21	9.780	13.137	16244898	106.62	300	ug/ml
Aliphatic C21-C28	13.138	16.791	19514459	143.085	400	ug/ml
Aliphatic C28-C40	16.792	21.609	34167095	322.439	600	ug/ml
Aliphatic EPH	3.117	21.609	96439190	738.503		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.886	12.886	5087208	39.87		ug/ml
Aliphatic C9-C28	3.117	16.791	62272095	416.065	1200	ug/ml