

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-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.07 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 13:21	PB165775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.25	J	1	0.50	1.32	mg/kg	FC068064.D
Aliphatic C12-C16	Aliphatic C12-C16	5.84		1	0.32	0.88	mg/kg	FC068064.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	U	1	0.40	1.32	mg/kg	FC068064.D
Aliphatic C21-C28	Aliphatic C21-C28	1.06	U	1	1.06	1.76	mg/kg	FC068064.D
Aliphatic C28-C40	Aliphatic C28-C40	8.45		1	2.38	2.64	mg/kg	FC068064.D
Aromatic C10-C12	Aromatic C10-C12	0.40	U	1	0.40	0.88	mg/kg	FD048902.D
Aromatic C12-C16	Aromatic C12-C16	1.01	J	1	0.45	1.32	mg/kg	FD048902.D
Aromatic C16-C21	Aromatic C16-C21	1.88	J	1	1.27	2.20	mg/kg	FD048902.D
Aromatic C21-C36	Aromatic C21-C36	2.64	U	1	2.64	3.52	mg/kg	FD048902.D
Total AliphaticEPH	Total AliphaticEPH	15.5			4.66	7.92	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.75	U		4.75	7.92	mg/kg	
Total EPH	Total EPH	18.4			9.41	15.8	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068064.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.25	J	0.50	1.32	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.84		0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	U	0.40	1.32	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.06	U	1.06	1.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.45		2.38	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.4		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5299-02	Acq On:	20 Dec 2024 13:21
Client Sample ID:	SB-02	Operator:	YP/AJ
Data file:	FC068064.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	2250552	14.217	300	ug/ml
Aliphatic C12-C16	6.390	9.779	10628355	66.313	200	ug/ml
Aliphatic C16-C21	9.780	13.137	610378	4.006	300	ug/ml
Aliphatic C21-C28	13.138	16.791	832467	6.104	400	ug/ml
Aliphatic C28-C40	16.792	21.609	10162160	95.901	600	ug/ml
Aliphatic EPH	3.117	21.609	24483912	186.541		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.888	12.888	5658224	44.35		ug/ml
Aliphatic C9-C28	3.117	16.791	14321752	90.64	1200	ug/ml