

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
11/21/24 08:35	11/22/24 13:20	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.16	mg/kg	FC067853.D
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	1	0.28	0.77	mg/kg	FC067853.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.16	mg/kg	FC067853.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	1	0.93	1.55	mg/kg	FC067853.D
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	1	2.09	2.32	mg/kg	FC067853.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FD048804.D
Aromatic C12-C16	Aromatic C12-C16	0.40	U	1	0.40	1.16	mg/kg	FD048804.D
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1	1.11	1.93	mg/kg	FD048804.D
Aromatic C21-C36	Aromatic C21-C36	2.32	U	1	2.32	3.10	mg/kg	FD048804.D
Total AliphaticEPH	Total AliphaticEPH	4.09	U		4.09	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.17	U		4.17	6.96	mg/kg	
Total EPH	Total EPH	8.26	U		8.26	13.9	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
FC067853.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4892-02	Acq On:	22 Nov 2024 13:20
Client Sample ID:	WB-310-BOT	Operator:	YP/AJ
Data file:	FC067853.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	3.186	6.463	119997	0.724	300	ug/ml
Aliphatic C12-C16	6.464	9.851	83434	0.49	200	ug/ml
Aliphatic C16-C21	9.852	13.208	0	0	300	ug/ml
Aliphatic C21-C28	13.209	16.863	0	0	400	ug/ml
Aliphatic C28-C40	16.864	21.709	0	0	600	ug/ml
Aliphatic EPH	3.186	21.709	203431	1.213		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	5536947	38.14		ug/ml
Aliphatic C9-C28	3.186	16.863	203431	1.214	1200	ug/ml