

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
11/21/24 08:35	11/22/24 14:33	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.97		1	0.44	1.16	mg/kg FC067855.D
Aliphatic C12-C16	Aliphatic C12-C16	8.25		1	0.28	0.77	mg/kg FC067855.D
Aliphatic C16-C21	Aliphatic C16-C21	13.1		1	0.35	1.16	mg/kg FC067855.D
Aliphatic C21-C28	Aliphatic C21-C28	17.1		1	0.93	1.55	mg/kg FC067855.D
Aliphatic C28-C40	Aliphatic C28-C40	28.6		1	2.09	2.32	mg/kg FC067855.D
Aromatic C10-C12	Aromatic C10-C12	6.44		1	0.35	0.77	mg/kg FD048806.D
Aromatic C12-C16	Aromatic C12-C16	12.3		1	0.39	1.16	mg/kg FD048806.D
Aromatic C16-C21	Aromatic C16-C21	25.0		1	1.11	1.93	mg/kg FD048806.D
Aromatic C21-C36	Aromatic C21-C36	42.2		1	2.32	3.09	mg/kg FD048806.D
Total AliphaticEPH	Total AliphaticEPH	76.0			4.08	6.96	mg/kg
Total AromaticEPH	Total AromaticEPH	85.9			4.17	6.95	mg/kg
Total EPH	Total EPH	162			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067855.D	1	11/21/24	11/22/24	PB165188

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.97		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.25		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	13.1		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.1		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.6		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4892-02MS	Acq On:	22 Nov 2024 14:33
Client Sample ID:	WB-310-BOTMS	Operator:	YP/AJ
Data file:	FC067855.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.186	6.463	19220887	115.934	300	ug/ml
Aliphatic C12-C16	6.464	9.851	18171701	106.651	200	ug/ml
Aliphatic C16-C21	9.852	13.208	28821426	169.916	300	ug/ml
Aliphatic C21-C28	13.209	16.863	34699780	220.624	400	ug/ml
Aliphatic C28-C40	16.864	21.709	44732596	369.351	600	ug/ml
Aliphatic EPH	3.186	21.709	145646390	982.477		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5309462	36.58		ug/ml
Aliphatic C9-C28	3.186	16.863	100913794	613.125	1200	ug/ml