

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
10/30/24 08:20	10/30/24 19:18	PB164525

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.46	U	1	0.46	1.22	mg/kg	FC067571.D
Aliphatic C12-C16	Aliphatic C12-C16	0.29	U	1	0.29	0.81	mg/kg	FC067571.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	U	1	0.37	1.22	mg/kg	FC067571.D
Aliphatic C21-C28	Aliphatic C21-C28	0.97	U	1	0.97	1.62	mg/kg	FC067571.D
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	1	2.19	2.43	mg/kg	FC067571.D
Aromatic C10-C12	Aromatic C10-C12	0.37	U	1	0.37	0.81	mg/kg	FD048628.D
Aromatic C12-C16	Aromatic C12-C16	0.41	U	1	0.41	1.22	mg/kg	FD048628.D
Aromatic C16-C21	Aromatic C16-C21	1.17	U	1	1.17	2.03	mg/kg	FD048628.D
Aromatic C21-C36	Aromatic C21-C36	2.43	U	1	2.43	3.24	mg/kg	FD048628.D
Total AliphaticEPH	Total AliphaticEPH	4.28	U		4.28	7.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.38	U		4.38	7.30	mg/kg	
Total EPH	Total EPH	8.66	U		8.66	14.6	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
FC067571.D	1	10/30/24	10/30/24	PB164525

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Aliphatic C21-C28	Aliphatic C21-C28	0.97	U	0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	2.19	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.1		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4578-05	Acq On:	30 Oct 2024 19:18
Client Sample ID:	WB-305-BOT	Operator:	YP/AJ
Data file:	FC067571.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	3.174	6.453	49826	0.368	300	ug/ml
Aliphatic C12-C16	6.454	9.842	204741	1.555	200	ug/ml
Aliphatic C16-C21	9.843	13.199	0	0	300	ug/ml
Aliphatic C21-C28	13.200	16.852	158301	1.318	400	ug/ml
Aliphatic C28-C40	16.853	21.694	282099	2.79	600	ug/ml
Aliphatic EPH	3.174	21.694	694967	6.031		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	5516704	51.09		ug/ml
Aliphatic C9-C28	3.174	16.852	412868	3.241	1200	ug/ml