

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-305-BOTMSD	SDG No.:	P4578
Lab Sample ID:	P4578-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.1 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 21:06	PB164525

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.42		1	0.46	1.21	mg/kg FC067574.D
Aliphatic C12-C16	Aliphatic C12-C16	8.04		1	0.29	0.81	mg/kg FC067574.D
Aliphatic C16-C21	Aliphatic C16-C21	12.5		1	0.36	1.21	mg/kg FC067574.D
Aliphatic C21-C28	Aliphatic C21-C28	16.8		1	0.97	1.62	mg/kg FC067574.D
Aliphatic C28-C40	Aliphatic C28-C40	29.0		1	2.19	2.43	mg/kg FC067574.D
Aromatic C10-C12	Aromatic C10-C12	4.11		1	0.36	0.81	mg/kg FD048631.D
Aromatic C12-C16	Aromatic C12-C16	9.62		1	0.41	1.21	mg/kg FD048631.D
Aromatic C16-C21	Aromatic C16-C21	18.7		1	1.17	2.02	mg/kg FD048631.D
Aromatic C21-C36	Aromatic C21-C36	29.7		1	2.43	3.24	mg/kg FD048631.D
Total AliphaticEPH	Total AliphaticEPH	74.8			4.28	7.28	mg/kg
Total AromaticEPH	Total AromaticEPH	62.1			4.38	7.28	mg/kg
Total EPH	Total EPH	137			8.65	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067574.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.42		0.46	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.04		0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.5		0.36	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.8		0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.0		2.19	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4578-05MSD	Acq On:	30 Oct 2024 21:06
Client Sample ID:	WB-305-BOTMSD	Operator:	YP/AJ
Data file:	FC067574.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	3.174	6.453	14097141	104.061	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13086719	99.381	200	ug/ml
Aliphatic C16-C21	9.843	13.199	19579545	153.885	300	ug/ml
Aliphatic C21-C28	13.200	16.852	24987811	208.075	400	ug/ml
Aliphatic C28-C40	16.853	21.694	36242219	358.503	600	ug/ml
Aliphatic EPH	3.174	21.694	107993435	923.906		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	4987072	46.18		ug/ml
Aliphatic C9-C28	3.174	16.852	71751216	565.402	1200	ug/ml