

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-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	58.7
Sample Wt/Vol:	30.09 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	10/31/24 0:45	PB164525

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.65	U	1	0.65	1.70	mg/kg	FC067578.D
Aliphatic C12-C16	Aliphatic C12-C16	0.90	J	1	0.41	1.13	mg/kg	FC067578.D
Aliphatic C16-C21	Aliphatic C16-C21	0.77	J	1	0.51	1.70	mg/kg	FC067578.D
Aliphatic C21-C28	Aliphatic C21-C28	1.36	U	1	1.36	2.26	mg/kg	FC067578.D
Aliphatic C28-C40	Aliphatic C28-C40	3.06	U	1	3.06	3.40	mg/kg	FC067578.D
Aromatic C10-C12	Aromatic C10-C12	0.51	U	1	0.51	1.13	mg/kg	FD048627.D
Aromatic C12-C16	Aromatic C12-C16	0.58	U	1	0.58	1.70	mg/kg	FD048627.D
Aromatic C16-C21	Aromatic C16-C21	1.63	U	1	1.63	2.83	mg/kg	FD048627.D
Aromatic C21-C36	Aromatic C21-C36	3.40	U	1	3.40	4.53	mg/kg	FD048627.D
Total AliphaticEPH	Total AliphaticEPH	5.98	U		5.98	10.2	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.12	U		6.12	10.2	mg/kg	
Total EPH	Total EPH	12.1	U		12.1	20.4	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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FC067578.D	1	10/30/24	10/31/24	PB164525

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Aliphatic C21-C28	Aliphatic C21-C28	1.36	U	1.36	2.26	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.06	U	3.06	3.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.0		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4578-04	Acq On:	31 Oct 2024 00:45
Client Sample ID:	WB-305-TOP-1	Operator:	YP/AJ
Data file:	FC067578.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.453	446942	3.299	300	ug/ml
Aliphatic C12-C16	6.454	9.842	1043029	7.921	200	ug/ml
Aliphatic C16-C21	9.843	13.199	868066	6.823	300	ug/ml
Aliphatic C21-C28	13.200	16.852	713798	5.944	400	ug/ml
Aliphatic C28-C40	16.853	21.694	2237970	22.138	600	ug/ml
Aliphatic EPH	3.174	21.694	5309805	46.124		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	2587727	23.96		ug/ml
Aliphatic C9-C28	3.174	16.852	3071835	23.987	1200	ug/ml