

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB02	SDG No.:	P4471
Lab Sample ID:	P4471-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	49.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/22/24 09:40	10/23/24 7:17	PB164309

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.74	J	1	0.77	2.03	mg/kg	FC067495.D
Aliphatic C12-C16	Aliphatic C12-C16	0.80	J	1	0.49	1.35	mg/kg	FC067495.D
Aliphatic C16-C21	Aliphatic C16-C21	4.37		1	0.61	2.03	mg/kg	FC067495.D
Aliphatic C21-C28	Aliphatic C21-C28	7.17		1	1.62	2.70	mg/kg	FC067495.D
Aliphatic C28-C40	Aliphatic C28-C40	8.61		1	3.65	4.06	mg/kg	FC067495.D
Aromatic C10-C12	Aromatic C10-C12	0.61	U	1	0.61	1.35	mg/kg	FD048558.D
Aromatic C12-C16	Aromatic C12-C16	0.69	U	1	0.69	2.03	mg/kg	FD048558.D
Aromatic C16-C21	Aromatic C16-C21	5.41		1	1.95	3.38	mg/kg	FD048558.D
Aromatic C21-C36	Aromatic C21-C36	14.6		1	4.06	5.41	mg/kg	FD048558.D
Total AliphaticEPH	Total AliphaticEPH	22.7			7.14	12.2	mg/kg	
Total AromaticEPH	Total AromaticEPH	20.0			7.31	12.2	mg/kg	
Total EPH	Total EPH	42.7			14.4	24.3	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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FC067495.D	1	10/22/24	10/23/24	PB164309

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Aliphatic C28-C40	Aliphatic C28-C40	8.61		3.65	4.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.8		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4471-02	Acq On:	23 Oct 2024 07:17
Client Sample ID:	B-180-SB02	Operator:	YP/AJ
Data file:	FC067495.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	1649690	12.853	300	ug/ml
Aliphatic C12-C16	6.456	9.845	772483	5.899	200	ug/ml
Aliphatic C16-C21	9.846	13.203	4248740	32.316	300	ug/ml
Aliphatic C21-C28	13.204	16.857	6726849	53.041	400	ug/ml
Aliphatic C28-C40	16.858	21.701	6701017	63.688	600	ug/ml
Aliphatic EPH	3.175	21.701	20098779	167.796		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	2582219	22.81		ug/ml
Aliphatic C9-C28	3.175	16.857	13397762	104.109	1200	ug/ml