

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.8
Sample Wt/Vol:	30.01 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 6:40	PB164309

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	1.21	mg/kg	FC067494.D
Aliphatic C12-C16	Aliphatic C12-C16	0.48	J	1	0.29	0.81	mg/kg	FC067494.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.36	1.21	mg/kg	FC067494.D
Aliphatic C21-C28	Aliphatic C21-C28	1.06	J	1	0.97	1.61	mg/kg	FC067494.D
Aliphatic C28-C40	Aliphatic C28-C40	7.75		1	2.17	2.41	mg/kg	FC067494.D
Aromatic C10-C12	Aromatic C10-C12	0.36	U	1	0.36	0.81	mg/kg	FD048557.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.41	1.21	mg/kg	FD048557.D
Aromatic C16-C21	Aromatic C16-C21	5.76		1	1.16	2.01	mg/kg	FD048557.D
Aromatic C21-C36	Aromatic C21-C36	3.55		1	2.41	3.22	mg/kg	FD048557.D
Total AliphaticEPH	Total AliphaticEPH	9.67			4.25	7.25	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.72			4.34	7.25	mg/kg	
Total EPH	Total EPH	19.4			8.59	14.5	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
FC067494.D	1	10/22/24	10/23/24	PB164309

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Aliphatic C21-C28	Aliphatic C21-C28	1.06	J	0.97	1.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.75		2.17	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4471-01	Acq On:	23 Oct 2024 06:40
Client Sample ID:	B-180-SB01	Operator:	YP/AJ
Data file:	FC067494.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	3.175	6.455	454334	3.54	300	ug/ml
Aliphatic C12-C16	6.456	9.845	785075	5.995	200	ug/ml
Aliphatic C16-C21	9.846	13.203	610593	4.644	300	ug/ml
Aliphatic C21-C28	13.204	16.857	1675885	13.214	400	ug/ml
Aliphatic C28-C40	16.858	21.701	10130489	96.283	600	ug/ml
Aliphatic EPH	3.175	21.701	13656376	123.676		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	4348291	38.41		ug/ml
Aliphatic C9-C28	3.175	16.857	3525887	27.393	1200	ug/ml