

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	51.5
Sample Wt/Vol:	30.02 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 3:41	PB164309

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.74	U	1	0.74	1.94	mg/kg	FC067489.D
Aliphatic C12-C16	Aliphatic C12-C16	1.09	J	1	0.47	1.29	mg/kg	FC067489.D
Aliphatic C16-C21	Aliphatic C16-C21	0.88	J	1	0.58	1.94	mg/kg	FC067489.D
Aliphatic C21-C28	Aliphatic C21-C28	2.69		1	1.55	2.59	mg/kg	FC067489.D
Aliphatic C28-C40	Aliphatic C28-C40	3.57	J	1	3.49	3.88	mg/kg	FC067489.D
Aromatic C10-C12	Aromatic C10-C12	0.58	U	1	0.58	1.29	mg/kg	FD048552.D
Aromatic C12-C16	Aromatic C12-C16	7.15		1	0.66	1.94	mg/kg	FD048552.D
Aromatic C16-C21	Aromatic C16-C21	5.97		1	1.86	3.23	mg/kg	FD048552.D
Aromatic C21-C36	Aromatic C21-C36	7.27		1	3.88	5.17	mg/kg	FD048552.D
Total AliphaticEPH	Total AliphaticEPH	8.23	J		6.83	11.6	mg/kg	
Total AromaticEPH	Total AromaticEPH	20.4			6.98	11.6	mg/kg	
Total EPH	Total EPH	28.6			13.8	23.3	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067489.D	1	10/22/24	10/23/24	PB164309

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.74	U	0.74	1.94	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.09	J	0.47	1.29	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.88	J	0.58	1.94	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	2.69		1.55	2.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.57	J	3.49	3.88	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.1		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4460-02	Acq On:	23 Oct 2024 03:41
Client Sample ID:	WB-303-TOP	Operator:	YP/AJ
Data file:	FC067489.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	593952	4.627	300	ug/ml
Aliphatic C12-C16	6.456	9.845	1105399	8.441	200	ug/ml
Aliphatic C16-C21	9.846	13.203	895549	6.811	300	ug/ml
Aliphatic C21-C28	13.204	16.857	2636047	20.785	400	ug/ml
Aliphatic C28-C40	16.858	21.701	2902826	27.589	600	ug/ml
Aliphatic EPH	3.175	21.701	8133773	68.254		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	2835180	25.05		ug/ml
Aliphatic C9-C28	3.175	16.857	5230947	40.664	1200	ug/ml