

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4471
Lab Sample ID:	P4460-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
Sample Wt/Vol:	30.05 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 6:04	PB164309

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.4		1	0.47	1.25	mg/kg	FC067493.D
Aliphatic C12-C16	Aliphatic C12-C16	52.0	E	1	0.30	0.83	mg/kg	FC067493.D
Aliphatic C16-C21	Aliphatic C16-C21	19.1		1	0.37	1.25	mg/kg	FC067493.D
Aliphatic C21-C28	Aliphatic C21-C28	30.7		1	1.00	1.66	mg/kg	FC067493.D
Aliphatic C28-C40	Aliphatic C28-C40	30.7		1	2.24	2.49	mg/kg	FC067493.D
Aromatic C10-C12	Aromatic C10-C12	12.6		1	0.37	0.83	mg/kg	FD048556.D
Aromatic C12-C16	Aromatic C12-C16	19.2		1	0.42	1.25	mg/kg	FD048556.D
Aromatic C16-C21	Aromatic C16-C21	25.3		1	1.20	2.08	mg/kg	FD048556.D
Aromatic C21-C36	Aromatic C21-C36	41.5		1	2.49	3.32	mg/kg	FD048556.D
Total AliphaticEPH	Total AliphaticEPH	146			4.38	7.48	mg/kg	
Total AromaticEPH	Total AromaticEPH	98.6			4.49	7.48	mg/kg	
Total EPH	Total EPH	245			8.87	15.0	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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FC067493.D	1	10/22/24	10/23/24	PB164309

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Aliphatic C16-C21	Aliphatic C16-C21	19.1		0.37	1.25	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	30.7		1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.7		2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4460-03MSD	Acq On:	23 Oct 2024 06:04
Client Sample ID:	WB-303-BOTMSD	Operator:	YP/AJ
Data file:	FC067493.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	20626184	160.697	300	ug/ml
Aliphatic C12-C16	6.456	9.845	82030665	626.391	200	ug/ml
Aliphatic C16-C21	9.846	13.203	30240713	230.009	300	ug/ml
Aliphatic C21-C28	13.204	16.857	46878638	369.636	400	ug/ml
Aliphatic C28-C40	16.858	21.701	38886916	369.592	600	ug/ml
Aliphatic EPH	3.175	21.701	218663116	1760		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	3543503	31.3		ug/ml
Aliphatic C9-C28	3.175	16.857	179776200	1390	1200	ug/ml