

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-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	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 4:16	PB164309

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.73		1	0.47	1.25	mg/kg FC067490.D
Aliphatic C12-C16	Aliphatic C12-C16	45.8		5	1.50	4.15	mg/kg FC067501.D
Aliphatic C16-C21	Aliphatic C16-C21	2.34		1	0.37	1.25	mg/kg FC067490.D
Aliphatic C21-C28	Aliphatic C21-C28	7.39		1	1.00	1.66	mg/kg FC067490.D
Aliphatic C28-C40	Aliphatic C28-C40	3.01		1	2.24	2.49	mg/kg FC067490.D
Aromatic C10-C12	Aromatic C10-C12	6.30		1	0.37	0.83	mg/kg FD048553.D
Aromatic C12-C16	Aromatic C12-C16	6.32		1	0.42	1.25	mg/kg FD048553.D
Aromatic C16-C21	Aromatic C16-C21	3.86		1	1.20	2.08	mg/kg FD048553.D
Aromatic C21-C36	Aromatic C21-C36	6.83		1	2.49	3.32	mg/kg FD048553.D
Total AliphaticEPH	Total AliphaticEPH	64.3			5.59	10.8	mg/kg
Total AromaticEPH	Total AromaticEPH	23.3			4.49	7.48	mg/kg
Total EPH	Total EPH	87.6			10.1	18.3	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067490.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.73		0.47	1.25	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	43.9	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	2.34		0.37	1.25	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7.39		1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.01		2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4460-03	Acq On:	23 Oct 2024 04:16
Client Sample ID:	WB-303-BOT	Operator:	YP/AJ
Data file:	FC067490.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	8847442	68.93	300	ug/ml
Aliphatic C12-C16	6.456	9.845	69157418	528.09	200	ug/ml
Aliphatic C16-C21	9.846	13.203	3700773	28.148	300	ug/ml
Aliphatic C21-C28	13.204	16.857	11273146	88.888	400	ug/ml
Aliphatic C28-C40	16.858	21.701	3817553	36.283	600	ug/ml
Aliphatic EPH	3.175	21.701	96796332	750.339		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4582483	40.48		ug/ml
Aliphatic C9-C28	3.175	16.857	92978779	714.056	1200	ug/ml