

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/14/24 08:32	10/14/24 20:58	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.40		1	0.50	1.31	mg/kg FC067437.D
Aliphatic C12-C16	Aliphatic C12-C16	7.59		1	0.32	0.88	mg/kg FC067437.D
Aliphatic C16-C21	Aliphatic C16-C21	11.5		1	0.39	1.31	mg/kg FC067437.D
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1	1.05	1.75	mg/kg FC067437.D
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	2.37	2.63	mg/kg FC067437.D
Aromatic C10-C12	Aromatic C10-C12	6.16		1	0.39	0.88	mg/kg FD048512.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.45	1.31	mg/kg FD048512.D
Aromatic C16-C21	Aromatic C16-C21	21.3		1	1.26	2.19	mg/kg FD048512.D
Aromatic C21-C36	Aromatic C21-C36	31.2		1	2.63	3.50	mg/kg FD048512.D
Total AliphaticEPH	Total AliphaticEPH	67.9			4.63	7.88	mg/kg
Total AromaticEPH	Total AromaticEPH	69.3			4.73	7.88	mg/kg
Total EPH	Total EPH	137			9.36	15.8	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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FC067437.D	1	10/14/24	10/14/24	PB164109

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Aliphatic C12-C16	Aliphatic C12-C16	7.59		0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.5		0.39	1.31	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1.05	1.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		2.37	2.63	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-02MS	Acq On:	14 Oct 2024 20:58
Client Sample ID:	WB-301-BOTMS	Operator:	YP/AJ
Data file:	FC067437.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	12313105	95.93	300	ug/ml
Aliphatic C12-C16	6.458	9.850	11348872	86.661	200	ug/ml
Aliphatic C16-C21	9.851	13.209	17233867	131.08	300	ug/ml
Aliphatic C21-C28	13.210	16.865	21046034	165.947	400	ug/ml
Aliphatic C28-C40	16.866	21.722	31111306	295.69	600	ug/ml
Aliphatic EPH	3.175	21.722	93053184	775.308		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3732729	32.98		ug/ml
Aliphatic C9-C28	3.175	16.865	61941878	479.618	1200	ug/ml