

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.06 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 19:44	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.50	U	1	0.50	1.31	mg/kg	FC067435.D
Aliphatic C12-C16	Aliphatic C12-C16	0.32	U	1	0.32	0.88	mg/kg	FC067435.D
Aliphatic C16-C21	Aliphatic C16-C21	0.39	U	1	0.39	1.31	mg/kg	FC067435.D
Aliphatic C21-C28	Aliphatic C21-C28	1.05	U	1	1.05	1.75	mg/kg	FC067435.D
Aliphatic C28-C40	Aliphatic C28-C40	2.36	U	1	2.36	2.63	mg/kg	FC067435.D
Aromatic C10-C12	Aromatic C10-C12	0.39	U	1	0.39	0.88	mg/kg	FD048510.D
Aromatic C12-C16	Aromatic C12-C16	0.51	J	1	0.45	1.31	mg/kg	FD048510.D
Aromatic C16-C21	Aromatic C16-C21	1.89	J	1	1.26	2.19	mg/kg	FD048510.D
Aromatic C21-C36	Aromatic C21-C36	2.63	U	1	2.63	3.50	mg/kg	FD048510.D
Total AliphaticEPH	Total AliphaticEPH	4.62	U		4.62	7.88	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.73	U		4.73	7.88	mg/kg	
Total EPH	Total EPH	9.35	U		9.35	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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FC067435.D	1	10/14/24	10/14/24	PB164109

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Aliphatic C21-C28	Aliphatic C21-C28	1.05	U	1.05	1.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.36	U	2.36	2.63	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-02	Acq On:	14 Oct 2024 19:44
Client Sample ID:	WB-301-BOT	Operator:	YP/AJ
Data file:	FC067435.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	6.457	89934	0.701	300	ug/ml
Aliphatic C12-C16	6.458	9.850	400036	3.055	200	ug/ml
Aliphatic C16-C21	9.851	13.209	456881	3.475	300	ug/ml
Aliphatic C21-C28	13.210	16.865	43326	0.342	400	ug/ml
Aliphatic C28-C40	16.866	21.722	0	0	600	ug/ml
Aliphatic EPH	3.175	21.722	990177	7.572		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	4244377	37.5		ug/ml
Aliphatic C9-C28	3.175	16.865	990177	7.573	1200	ug/ml