

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BS	SDG No.:	P4397
Lab Sample ID:	PB164109BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
10/14/24 08:32	10/14/24 17:15	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.93		1	0.38	1.00	mg/kg FC067431.D
Aliphatic C12-C16	Aliphatic C12-C16	5.43		1	0.24	0.67	mg/kg FC067431.D
Aliphatic C16-C21	Aliphatic C16-C21	8.45		1	0.30	1.00	mg/kg FC067431.D
Aliphatic C21-C28	Aliphatic C21-C28	11.1		1	0.80	1.33	mg/kg FC067431.D
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	1.80	2.00	mg/kg FC067431.D
Aromatic C10-C12	Aromatic C10-C12	4.66		1	0.30	0.67	mg/kg FD048506.D
Aromatic C12-C16	Aromatic C12-C16	7.77		1	0.34	1.00	mg/kg FD048506.D
Aromatic C16-C21	Aromatic C16-C21	15.3		1	0.96	1.67	mg/kg FD048506.D
Aromatic C21-C36	Aromatic C21-C36	23.0		1	2.00	2.66	mg/kg FD048506.D
Total AliphaticEPH	Total AliphaticEPH	50.4			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	50.7			3.60	6.00	mg/kg
Total EPH	Total EPH	101			7.12	12.0	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067431.D	1	10/14/24	10/14/24	PB164109

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.93		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.43		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.45		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164109BS	Acq On:	14 Oct 2024 17:15
Client Sample ID:	PB164109BS	Operator:	YP/AJ
Data file:	FC067431.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11425952	89.019	300	ug/ml
Aliphatic C12-C16	6.458	9.850	10673371	81.502	200	ug/ml
Aliphatic C16-C21	9.851	13.209	16672534	126.81	300	ug/ml
Aliphatic C21-C28	13.210	16.865	21065352	166.1	400	ug/ml
Aliphatic C28-C40	16.866	21.722	30737201	292.135	600	ug/ml
Aliphatic EPH	3.175	21.722	90574410	755.566		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	3920928	34.64		ug/ml
Aliphatic C9-C28	3.175	16.865	59837209	463.431	1200	ug/ml