

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BS	SDG No.:	P4892
Lab Sample ID:	PB165188BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/21/24 08:35	11/22/24 11:32	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.81		1	0.38	1.00	mg/kg FC067850.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.24	0.67	mg/kg FC067850.D
Aliphatic C16-C21	Aliphatic C16-C21	8.29		1	0.30	1.00	mg/kg FC067850.D
Aliphatic C21-C28	Aliphatic C21-C28	11.0		1	0.80	1.33	mg/kg FC067850.D
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1	1.80	2.00	mg/kg FC067850.D
Aromatic C10-C12	Aromatic C10-C12	6.13		1	0.30	0.67	mg/kg FD048801.D
Aromatic C12-C16	Aromatic C12-C16	11.0		1	0.34	1.00	mg/kg FD048801.D
Aromatic C16-C21	Aromatic C16-C21	20.2		1	0.96	1.67	mg/kg FD048801.D
Aromatic C21-C36	Aromatic C21-C36	31.6		1	2.00	2.67	mg/kg FD048801.D
Total AliphaticEPH	Total AliphaticEPH	48.6			3.52	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	68.9			3.60	6.01	mg/kg
Total EPH	Total EPH	118			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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067850.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.81		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.29		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.0		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165188BS	Acq On:	22 Nov 2024 11:32
Client Sample ID:	PB165188BS	Operator:	YP/AJ
Data file:	FC067850.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	3.186	6.463	14449636	87.156	300	ug/ml
Aliphatic C12-C16	6.464	9.851	12995112	76.269	200	ug/ml
Aliphatic C16-C21	9.852	13.208	21106424	124.432	300	ug/ml
Aliphatic C21-C28	13.209	16.863	25843525	164.315	400	ug/ml
Aliphatic C28-C40	16.864	21.709	33411170	275.872	600	ug/ml
Aliphatic EPH	3.186	21.709	107805867	728.044		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	5112489	35.22		ug/ml
Aliphatic C9-C28	3.186	16.863	74394697	452.172	1200	ug/ml