

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169364BS	SDG No.:	Q2832
Lab Sample ID:	PB169364BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:00	08/22/25 15:26	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.69		1	0.14	1.00	mg/kg FC069708.D
Aliphatic C12-C16	Aliphatic C12-C16	5.22		1	0.11	0.67	mg/kg FC069708.D
Aliphatic C16-C21	Aliphatic C16-C21	8.98		1	0.13	1.00	mg/kg FC069708.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.53	1.33	mg/kg FC069708.D
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.18	2.00	mg/kg FC069708.D
Aromatic C10-C12	Aromatic C10-C12	5.52		1	0.12	0.67	mg/kg FD049646.D
Aromatic C12-C16	Aromatic C12-C16	9.50		1	0.23	1.00	mg/kg FD049646.D
Aromatic C16-C21	Aromatic C16-C21	17.3		1	0.40	1.67	mg/kg FD049646.D
Aromatic C21-C36	Aromatic C21-C36	28.3		1	1.19	2.66	mg/kg FD049646.D
Total AliphaticEPH	Total AliphaticEPH	53.0			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	60.6			1.94	6.00	mg/kg
Total EPH	Total EPH	114			4.03	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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069708.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.69		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.22		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.98		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169364BS	Acq On:	22 Aug 2025 15:26
Client Sample ID:	PB169364BS	Operator:	YP/AJ
Data file:	FC069708.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	12349927	85.361	300	ug/ml
Aliphatic C12-C16	6.595	9.996	11251606	78.444	200	ug/ml
Aliphatic C16-C21	9.997	13.364	18000180	134.771	300	ug/ml
Aliphatic C21-C28	13.365	17.031	22445653	189.722	400	ug/ml
Aliphatic C28-C40	17.032	22.001	29405858	308.512	600	ug/ml
Aliphatic EPH	3.298	22.001	93453224	796.81		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4760996	43.67		ug/ml
Aliphatic C9-C28	3.298	17.031	64047366	488.298	1200	ug/ml