

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	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
06/11/25 08:45	06/11/25 17:15	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aromatic C10-C12	Aromatic C10-C12	3.20		1	0.12	0.67	mg/kg FD049433.D
Aromatic C12-C16	Aromatic C12-C16	5.11		1	0.23	1.00	mg/kg FD049433.D
Aromatic C16-C21	Aromatic C16-C21	9.80		1	0.40	1.67	mg/kg FD049433.D
Aromatic C21-C36	Aromatic C21-C36	18.5		1	1.19	2.66	mg/kg FD049433.D

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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Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	4.97		1	0.14	1.00	mg/kg FC069158.D
Aliphatic C12-C16	Aliphatic C12-C16	4.11		1	0.11	0.67	mg/kg FC069158.D
Aliphatic C16-C21	Aliphatic C16-C21	7.02		1	0.13	1.00	mg/kg FC069158.D
Aliphatic C21-C28	Aliphatic C21-C28	10.0		1	0.53	1.33	mg/kg FC069158.D
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1	1.18	2.00	mg/kg FC069158.D
Aromatic C10-C12	Aromatic C10-C12	3.20		1	0.12	0.67	mg/kg FD049433.D
Aromatic C12-C16	Aromatic C12-C16	5.11		1	0.23	1.00	mg/kg FD049433.D
Aromatic C16-C21	Aromatic C16-C21	9.80		1	0.40	1.67	mg/kg FD049433.D
Aromatic C21-C36	Aromatic C21-C36	18.5		1	1.19	2.66	mg/kg FD049433.D
Total AliphaticEPH	Total AliphaticEPH	40.7			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	36.6			1.94	6.00	mg/kg
Total EPH	Total EPH	77.3			4.03	12.0	mg/kg

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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069158.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.97		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.11		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.02		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.0		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FC069158.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	3.303	6.605	7878783	74.527	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6284249	61.619	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10319394	105.445	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14134902	150.686	400	ug/ml
Aliphatic C28-C40	17.049	22.033	20659158	218.757	600	ug/ml
Aliphatic EPH	3.303	22.033	59276486	611.033		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3406395	37.97		ug/ml
Aliphatic C9-C28	3.303	17.048	38617328	392.277	1200	ug/ml