

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 08:20	04/10/25 1:18	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	15.8	J	1	8.45	30.6	ug/l	FC068541.D
Aliphatic C12-C16	Aliphatic C12-C16	391		10	137	204	ug/l	FC068547.D
Aliphatic C16-C21	Aliphatic C16-C21	2090		10	85.1	306	ug/l	FC068547.D
Aliphatic C21-C28	Aliphatic C21-C28	3410		10	127	408	ug/l	FC068547.D
Aliphatic C28-C40	Aliphatic C28-C40	949		1	24.3	61.2	ug/l	FC068541.D
Aromatic C10-C12	Aromatic C10-C12	34.2		1	2.11	20.4	ug/l	FD049263.D
Aromatic C12-C16	Aromatic C12-C16	22.3	J	1	4.35	30.6	ug/l	FD049263.D
Aromatic C16-C21	Aromatic C16-C21	472		1	8.44	51.0	ug/l	FD049263.D
Aromatic C21-C36	Aromatic C21-C36	711		1	24.3	81.6	ug/l	FD049263.D
Total AliphaticEPH	Total AliphaticEPH	6850			382	1010	ug/l	
Total AromaticEPH	Total AromaticEPH	1240			39.2	184	ug/l	
Total EPH	Total EPH	8090			421	1190	ug/l	

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 :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068541.D	1	04/09/25	04/10/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	15.8	J	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	410	E	13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	1980	E	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	3360	E	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	949		24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.2		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-05	Acq On:	10 Apr 2025 01:18
Client Sample ID:	B-158-GW01	Operator:	YP/AJ
Data file:	FC068541.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.348	6.648	814615	7.737	300	ug/ml
Aliphatic C12-C16	6.649	10.049	20593146	201.257	200	ug/ml
Aliphatic C16-C21	10.050	13.416	95906562	970.552	300	ug/ml
Aliphatic C21-C28	13.417	17.080	155267058	1650	400	ug/ml
Aliphatic C28-C40	17.081	22.083	41806447	465.122	600	ug/ml
Aliphatic EPH	3.348	22.083	314387828	3290		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	5317650	57.24		ug/ml
Aliphatic C9-C28	3.348	17.080	272581381	2830	1200	ug/ml