

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	380	ug/Kg
108-95-2	Phenol	95.4	U	95.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	200	ug/Kg
95-57-8	2-Chlorophenol	96.1	U	96.1	200	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92.0	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	200	ug/Kg
91-20-3	Naphthalene	95.0	U	95.0	200	ug/Kg
106-47-8	4-Chloroaniline	95.0	UQ	95.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	200	ug/Kg
105-60-2	Caprolactam	99.9	U	99.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.0	U	94.0	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	99.5	U	99.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.2	U	99.2	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	200	ug/Kg
86-73-7	Fluorene	110	J	98.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.8	U	90.8	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	88.9	U	88.9	380	ug/Kg
85-01-8	Phenanthrene	820		96.6	200	ug/Kg
120-12-7	Anthracene	180	J	97.1	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.0	U	97.0	200	ug/Kg
206-44-0	Fluoranthene	600		94.0	200	ug/Kg
129-00-0	Pyrene	430		95.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		92.8	200	ug/Kg
218-01-9	Chrysene	200		91.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	93.3	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	95.0	U	95.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	60.0		30 (10) - 130 (105)	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787
1146-65-2	Naphthalene-d8	280000	8.069
15067-26-2	Acenaphthene-d10	156000	9.822
1517-22-2	Phenanthrene-d10	273000	11.31
1719-03-5	Chrysene-d12	230000	13.951
1520-96-3	Perylene-d12	197000	15.41

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	120	JB	2.13	ug/Kg
Total PAH	Total PAH	2900	J	9.86	ug/Kg
000119-61-9	Benzophenone	190	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	150	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	150	J	11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	300	J	11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J	12.1	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000781-43-1	9,10-Dimethylanthracene	82.8	J		12.4	ug/Kg
	unknown12.398	80.9	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.8	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	95.1	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	86.7	J		16.8	ug/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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products