

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.2
Sample Wt/Vol:	30.07 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
BF142271.D	1	04/29/25 09:30	05/01/25 20:20	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	290	U	290	620	ug/Kg
108-95-2	Phenol	41.4	U	41.4	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	45.6	U	45.6	320	ug/Kg
95-57-8	2-Chlorophenol	45.8	U	45.8	320	ug/Kg
95-48-7	2-Methylphenol	56.1	U	56.1	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.3	U	70.3	320	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	320	ug/Kg
65794-96-9	3+4-Methylphenols	77.1	U	77.1	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.9	U	88.9	150	ug/Kg
67-72-1	Hexachloroethane	33.0	U	33.0	320	ug/Kg
98-95-3	Nitrobenzene	34.3	U	34.3	320	ug/Kg
78-59-1	Isophorone	61.5	U	61.5	320	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	320	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.8	U	57.8	320	ug/Kg
120-83-2	2,4-Dichlorophenol	53.1	U	53.1	320	ug/Kg
91-20-3	Naphthalene	42.6	U	42.6	320	ug/Kg
106-47-8	4-Chloroaniline	66.4	UQ	66.4	320	ug/Kg
87-68-3	Hexachlorobutadiene	47.4	U	47.4	320	ug/Kg
105-60-2	Caprolactam	97.7	U	97.7	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.8	U	53.8	320	ug/Kg
91-57-6	2-Methylnaphthalene	48.0	U	48.0	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	37.1	U	37.1	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.6	U	54.6	320	ug/Kg
92-52-4	1,1-Biphenyl	40.9	U	40.9	320	ug/Kg
91-58-7	2-Chloronaphthalene	42.2	U	42.2	320	ug/Kg
88-74-4	2-Nitroaniline	90.2	U	90.2	320	ug/Kg
131-11-3	Dimethylphthalate	50.8	U	50.8	320	ug/Kg

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208-96-8	Acenaphthylene	54.2	U	54.2	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.0	U	63.0	320	ug/Kg
99-09-2	3-Nitroaniline	86.3	UQ	86.3	320	ug/Kg
83-32-9	Acenaphthene	39.9	U	39.9	320	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	620	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	620	ug/Kg
132-64-9	Dibenzofuran	42.6	U	42.6	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.0	U	94.0	320	ug/Kg
84-66-2	Diethylphthalate	53.1	U	53.1	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	50.1	U	50.1	320	ug/Kg
86-73-7	Fluorene	47.4	U	47.4	320	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	190	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.7	U	61.7	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.1	U	52.1	320	ug/Kg
118-74-1	Hexachlorobenzene	47.4	U	47.4	320	ug/Kg
1912-24-9	Atrazine	63.8	U	63.8	320	ug/Kg
87-86-5	Pentachlorophenol	96.2	U	96.2	620	ug/Kg
85-01-8	Phenanthrene	39.2	U	39.2	320	ug/Kg
120-12-7	Anthracene	62.4	U	62.4	320	ug/Kg
86-74-8	Carbazole	58.5	U	58.5	320	ug/Kg
84-74-2	Di-n-butylphthalate	89.8	U	89.8	320	ug/Kg
206-44-0	Fluoranthene	56.3	U	56.3	320	ug/Kg
129-00-0	Pyrene	67.5	U	67.5	320	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.8	UQ	68.8	620	ug/Kg
56-55-3	Benzo(a)anthracene	43.1	U	43.1	320	ug/Kg
218-01-9	Chrysene	37.3	U	37.3	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	320	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	35.6	U	35.6	320	ug/Kg

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207-08-9	Benzo(k)fluoranthene	42.0	U	42.0	320	ug/Kg
50-32-8	Benzo(a)pyrene	55.3	U	55.3	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.6	U	54.6	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.4	U	51.4	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48.2	U	48.2	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	48.0	U	48.0	320	ug/Kg
123-91-1	1,4-Dioxane	84.8	U	84.8	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.4	U	51.4	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		30 (18) - 130 (107)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		30 (10) - 130 (105)	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	201000	6.904
1146-65-2	Naphthalene-d8	749000	8.187
15067-26-2	Acenaphthene-d10	359000	9.939
1517-22-2	Phenanthrene-d10	508000	11.427
1719-03-5	Chrysene-d12	449000	14.069
1520-96-3	Perylene-d12	456000	15.557

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	730	AB	5.13	ug/Kg
013798-23-7	Hexathiane	290	J	10.2	ug/Kg
000119-61-9	Benzophenone	480	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	690	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	210	J	12.7	ug/Kg
	unknown13.804	490	J	13.8	ug/Kg
015594-90-8	1-Heneicosanol	770	J	13.9	ug/Kg

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1000382-54-3	Carbonic acid, eicosyl vinyl ester	330	J		14.5	ug/Kg
000630-01-3	Hexacosane	250	J		15.2	ug/Kg
000661-19-8	Behenic alcohol	140	J		16.1	ug/Kg
	unknown16.945	160	J		16.9	ug/Kg
000083-48-7	Stigmasterol	350	J		17.3	ug/Kg
000083-46-5	.beta.-Sitosterol	240	J		17.7	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	400	J		18.5	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