

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	59.8
Sample Wt/Vol:	30.06 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
BF140510.D	1	11/19/24 09:00	11/20/24 20:02	PB165086

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	300	UQ	300	550	ug/Kg
108-95-2	Phenol	140	U	140	280	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	280	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	280	ug/Kg
95-48-7	2-Methylphenol	130	U	130	280	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	280	ug/Kg
98-86-2	Acetophenone	150	U	150	280	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	550	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.3	U	67.3	130	ug/Kg
67-72-1	Hexachloroethane	140	U	140	280	ug/Kg
98-95-3	Nitrobenzene	150	U	150	280	ug/Kg
78-59-1	Isophorone	140	U	140	280	ug/Kg
88-75-5	2-Nitrophenol	160	U	160	280	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	280	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	280	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	280	ug/Kg
91-20-3	Naphthalene	140	U	140	280	ug/Kg
106-47-8	4-Chloroaniline	140	UQ	140	280	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	280	ug/Kg
105-60-2	Caprolactam	140	U	140	550	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	130	280	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	UQ	260	550	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	280	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	280	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	280	ug/Kg
88-74-4	2-Nitroaniline	160	U	160	280	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	280	ug/Kg

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208-96-8	Acenaphthylene	200	J	140	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	280	ug/Kg
99-09-2	3-Nitroaniline	150	UQ	150	280	ug/Kg
83-32-9	Acenaphthene	140	U	140	280	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	410	550	ug/Kg
100-02-7	4-Nitrophenol	190	U	190	550	ug/Kg
132-64-9	Dibenzofuran	140	U	140	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	280	ug/Kg
84-66-2	Diethylphthalate	130	U	130	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	280	ug/Kg
86-73-7	Fluorene	140	U	140	280	ug/Kg
100-01-6	4-Nitroaniline	180	U	180	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	200	550	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	280	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	280	ug/Kg
1912-24-9	Atrazine	150	U	150	280	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	550	ug/Kg
85-01-8	Phenanthrene	720		140	280	ug/Kg
120-12-7	Anthracene	330		140	280	ug/Kg
86-74-8	Carbazole	130	U	130	280	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	280	ug/Kg
206-44-0	Fluoranthene	1400		140	280	ug/Kg
129-00-0	Pyrene	1100		140	280	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	UQ	160	550	ug/Kg
56-55-3	Benzo(a)anthracene	1100		130	280	ug/Kg
218-01-9	Chrysene	980		130	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	280	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	180	550	ug/Kg
205-99-2	Benzo(b)fluoranthene	840		140	280	ug/Kg

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207-08-9	Benzo(k)fluoranthene	350		140	280	ug/Kg
50-32-8	Benzo(a)pyrene	910		160	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		130	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		130	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	280	ug/Kg
123-91-1	1,4-Dioxane	180	U	180	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	280	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	96.6		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	90.3		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.0		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.0		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.1		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	58.6		30 (10) - 130 (105)	59%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000	6.875
1146-65-2	Naphthalene-d8	378000	8.151
15067-26-2	Acenaphthene-d10	180000	9.904
1517-22-2	Phenanthrene-d10	279000	11.398
1719-03-5	Chrysene-d12	209000	14.045
1520-96-3	Perylene-d12	217000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J	2.15	ug/Kg
	unknown9.616	270	J	9.62	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	180	J	10.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	150	J	10.6	ug/Kg
000119-61-9	Benzophenone	320	J	10.6	ug/Kg
006975-98-0	Decane, 2-methyl-	320	J	10.8	ug/Kg
000233-02-3	Naphtho[2,1-b]thiophene	210	J	11.3	ug/Kg

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000610-48-0	Anthracene, 1-methyl-	280	J		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	470	J		11.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	290	J		12.0	ug/Kg
018791-75-8	4-Bromothiophene-2-aldehyde	840	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	160	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	430	J		12.5	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	270	J		12.7	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	180	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	360	J		13.2	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	190	J		13.2	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		13.3	ug/Kg
003353-12-6	Pyrene, 4-methyl-	160	J		13.4	ug/Kg
000192-97-2	Benzo[e]pyrene	400	J		15.4	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