

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	53.8
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
BF140156.D	1	10/28/24 09:00	10/30/24 14:41	PB164461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	340	U	340	610	ug/Kg
108-95-2	Phenol	150	U	150	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	160	320	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	320	ug/Kg
95-48-7	2-Methylphenol	150	U	150	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	170	320	ug/Kg
98-86-2	Acetophenone	160	U	160	320	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	610	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	74.8	U	74.8	150	ug/Kg
67-72-1	Hexachloroethane	150	U	150	320	ug/Kg
98-95-3	Nitrobenzene	170	U	170	320	ug/Kg
78-59-1	Isophorone	160	U	160	320	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	320	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	170	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	320	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	140	320	ug/Kg
91-20-3	Naphthalene	210	J	150	320	ug/Kg
106-47-8	4-Chloroaniline	150	UQ	150	320	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	320	ug/Kg
105-60-2	Caprolactam	160	U	160	610	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	320	ug/Kg
91-57-6	2-Methylnaphthalene	190	J	150	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	UQ	290	610	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	320	ug/Kg
92-52-4	1,1-Biphenyl	160	U	160	320	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	320	ug/Kg
88-74-4	2-Nitroaniline	180	U	180	320	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	320	ug/Kg

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208-96-8	Acenaphthylene	160	U	160	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	320	ug/Kg
99-09-2	3-Nitroaniline	170	UQ	170	320	ug/Kg
83-32-9	Acenaphthene	190	J	150	320	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	610	ug/Kg
100-02-7	4-Nitrophenol	220	U	220	610	ug/Kg
132-64-9	Dibenzofuran	160	U	160	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	160	320	ug/Kg
84-66-2	Diethylphthalate	150	U	150	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	320	ug/Kg
86-73-7	Fluorene	160	J	160	320	ug/Kg
100-01-6	4-Nitroaniline	200	U	200	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	220	U	220	610	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	150	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	320	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	320	ug/Kg
1912-24-9	Atrazine	170	U	170	320	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	610	ug/Kg
85-01-8	Phenanthrene	640		160	320	ug/Kg
120-12-7	Anthracene	270	J	160	320	ug/Kg
86-74-8	Carbazole	150	U	150	320	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	320	ug/Kg
206-44-0	Fluoranthene	610		150	320	ug/Kg
129-00-0	Pyrene	850		150	320	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	UQ	180	610	ug/Kg
56-55-3	Benzo(a)anthracene	550		150	320	ug/Kg
218-01-9	Chrysene	580		150	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	170	320	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	610	ug/Kg
205-99-2	Benzo(b)fluoranthene	400		150	320	ug/Kg

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207-08-9	Benzo(k)fluoranthene	160	J	150	320	ug/Kg
50-32-8	Benzo(a)pyrene	530		170	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	140	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	J	150	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	320	ug/Kg
123-91-1	1,4-Dioxane	200	U	200	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	140	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.3		30 (18) - 130 (112)	54%	SPK: 150
13127-88-3	Phenol-d6	78.7		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.2		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.2		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.7		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	60.6		30 (10) - 130 (105)	61%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	111000	6.881
1146-65-2	Naphthalene-d8	423000	8.163
15067-26-2	Acenaphthene-d10	224000	9.922
1517-22-2	Phenanthrene-d10	363000	11.416
1719-03-5	Chrysene-d12	172000	14.069
1520-96-3	Perylene-d12	221000	15.58

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3200	JB	2.18	ug/Kg
000527-84-4	o-Cymene	260	J	7.67	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	240	J	7.90	ug/Kg
000544-76-3	Hexadecane	230	J	8.75	ug/Kg
90-12-0	1-Methylnaphthalene	210	J	8.97	ug/Kg
000112-04-9	Silane, trichlorooctadecyl-	280	J	9.32	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	230	J	9.57	ug/Kg

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1000309-20-2	Sulfurous acid, 2-ethylhexyl hexyl	180	J		9.85	ug/Kg
000119-61-9	Benzophenone	600	J		10.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	230	J		11.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	540	J		11.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	190	J		12.0	ug/Kg
004701-17-1	5-Bromo-2-thiophenecarboxaldehyde	670	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J		12.5	ug/Kg
	unknown12.510	180	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	170	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	320	J		13.2	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	220	J		13.3	ug/Kg
000192-97-2	Benzo[e]pyrene	250	J		15.5	ug/Kg
	unknown17.380	420	J		17.4	ug/Kg
	unknown18.345	270	J		18.3	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