

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.8
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
BF140011.D	1	10/22/24 10:44	10/24/24 20:08	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	U	220	400	ug/Kg
108-95-2	Phenol	99.9	U	99.9	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	200	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	200	ug/Kg
95-48-7	2-Methylphenol	97.1	U	97.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	96.2	U	96.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.6	U	48.6	96.4	ug/Kg
67-72-1	Hexachloroethane	100	U	100	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	ug/Kg
78-59-1	Isophorone	100	U	100	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	100	U	100	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.0	U	91.0	200	ug/Kg
91-20-3	Naphthalene	99.6	U	99.6	200	ug/Kg
106-47-8	4-Chloroaniline	99.6	U	99.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	200	ug/Kg
105-60-2	Caprolactam	100	U	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.4	U	93.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	99.4	U	99.4	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.1	U	86.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.2	U	89.2	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	98.5	U	98.5	200	ug/Kg

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208-96-8	Acenaphthylene	100	U	100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	200	ug/Kg
83-32-9	Acenaphthene	97.8	U	97.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	200	ug/Kg
84-66-2	Diethylphthalate	96.5	U	96.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	UQ	140	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.4	U	98.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95.1	U	95.1	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	93.2	U	93.2	400	ug/Kg
85-01-8	Phenanthrene	100	U	100	200	ug/Kg
120-12-7	Anthracene	100	U	100	200	ug/Kg
86-74-8	Carbazole	96.8	U	96.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	200	ug/Kg
206-44-0	Fluoranthene	98.5	U	98.5	200	ug/Kg
129-00-0	Pyrene	100	U	100	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	400	ug/Kg
56-55-3	Benzo(a)anthracene	97.3	U	97.3	200	ug/Kg
218-01-9	Chrysene	95.8	U	95.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.8	U	97.8	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	99.6	U	99.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.1	U	94.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.9	U	97.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.5	U	96.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.0	U	90.0	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	97.1		30 (18) - 130 (112)	65%	SPK: 150
13127-88-3	Phenol-d6	93.5		30 (15) - 130 (107)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.3		30 (20) - 130 (109)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		30 (10) - 130 (116)	69%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		30 (10) - 130 (105)	68%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	82700	6.886
1146-65-2	Naphthalene-d8	316000	8.169
15067-26-2	Acenaphthene-d10	171000	9.922
1517-22-2	Phenanthrene-d10	285000	11.41
1719-03-5	Chrysene-d12	150000	14.045
1520-96-3	Perylene-d12	184000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB	2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.12	ug/Kg
000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J	11.9	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	160	J	13.9	ug/Kg

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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