Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 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
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	U	250	530	ug/Kg
108-95-2	Phenol	35.2	U	35.2	270	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.7	U	38.7	270	ug/Kg
95-57-8	2-Chlorophenol	38.8	U	38.8	270	ug/Kg
95-48-7	2-Methylphenol	47.6	U	47.6	270	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.7	U	59.7	270	ug/Kg
98-86-2	Acetophenone	46.9	U	46.9	270	ug/Kg
65794-96-9	3+4-Methylphenols	65.4	U	65.4	530	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	75.4	U	75.4	130	ug/Kg
67-72-1	Hexachloroethane	28.0	U	28.0	270	ug/Kg
98-95-3	Nitrobenzene	29.1	U	29.1	270	ug/Kg
78-59-1	Isophorone	52.2	U	52.2	270	ug/Kg
88-75-5	2-Nitrophenol	92.6	U	92.6	270	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	270	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	49.0	U	49.0	270	ug/Kg
120-83-2	2,4-Dichlorophenol	45.0	U	45.0	270	ug/Kg
91-20-3	Naphthalene	36.1	U	36.1	270	ug/Kg
106-47-8	4-Chloroaniline	56.3	UQ	56.3	270	ug/Kg
87-68-3	Hexachlorobutadiene	40.3	U	40.3	270	ug/Kg
105-60-2	Caprolactam	82.9	U	82.9	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45.7	U	45.7	270	ug/Kg
91-57-6	2-Methylnaphthalene	40.7	U	40.7	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31.5	U	31.5	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.3	U	46.3	270	ug/Kg
92-52-4	1,1-Biphenyl	34.7	U	34.7	270	ug/Kg
91-58-7	2-Chloronaphthalene	35.8	U	35.8	270	ug/Kg
88-74-4	2-Nitroaniline	76.5	U	76.5	270	ug/Kg
131-11-3	Dimethylphthalate	43.1	U	43.1	270	ug/Kg

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208-96-8	Acenaphthylene	46.0	U	46.0	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.5	U	53.5	270	ug/Kg
99-09-2	3-Nitroaniline	73.2	UQ	73.2	270	ug/Kg
83-32-9	Acenaphthene	33.9	U	33.9	270	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	530	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	530	ug/Kg
132-64-9	Dibenzofuran	36.1	U	36.1	270	ug/Kg
121-14-2	2,4-Dinitrotoluene	79.7	U	79.7	270	ug/Kg
84-66-2	Diethylphthalate	45.0	U	45.0	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	42.5	U	42.5	270	ug/Kg
86-73-7	Fluorene	40.3	U	40.3	270	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	270	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	530	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.4	U	52.4	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	44.2	U	44.2	270	ug/Kg
118-74-1	Hexachlorobenzene	40.3	U	40.3	270	ug/Kg
1912-24-9	Atrazine	54.1	U	54.1	270	ug/Kg
87-86-5	Pentachlorophenol	81.6	U	81.6	530	ug/Kg
85-01-8	Phenanthrene	33.3	U	33.3	270	ug/Kg
120-12-7	Anthracene	53.0	U	53.0	270	ug/Kg
86-74-8	Carbazole	49.6	U	49.6	270	ug/Kg
84-74-2	Di-n-butylphthalate	76.2	U	76.2	270	ug/Kg
206-44-0	Fluoranthene	47.7	U	47.7	270	ug/Kg
129-00-0	Pyrene	57.3	U	57.3	270	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	58.4	UQ	58.4	530	ug/Kg
56-55-3	Benzo(a)anthracene	36.6	U	36.6	270	ug/Kg
218-01-9	Chrysene	31.7	U	31.7	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	94.2	U	94.2	270	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	30.2	U	30.2	270	ug/Kg

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207-08-9	Benzo(k)fluoranthene	35.6	U	35.6	270	ug/Kg
50-32-8	Benzo(a)pyrene	46.9	U	46.9	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.3	U	46.3	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43.6	U	43.6	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40.9	U	40.9	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.7	U	40.7	270	ug/Kg
123-91-1	1,4-Dioxane	71.9	U	71.9	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43.6	U	43.6	270	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.3		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	78.1		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.1		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.2		30 (20) - 130 (109)	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.7		30 (10) - 130 (116)	48%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		30 (10) - 130 (105)	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.892			
1146-65-2	Naphthalene-d8	464000	8.175			
15067-26-2	Acenaphthene-d10	242000	9.933			
1517-22-2	Phenanthrene-d10	342000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	282000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	AB		5.10	ug/Kg
000099-87-6	p-Cymene	590	J		6.97	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		11.9	ug/Kg
	unknown12.174	210	J		12.2	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	1600	J		12.4	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	690	J		12.7	ug/Kg

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000483-65-8	Retene	1100	J		13.1	ug/Kg
1000251-96-9	Tetrahydroabietic acid	150	J		13.8	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	510	J		13.9	ug/Kg
	unknown14.239	130	J		14.2	ug/Kg
024897-74-3	12-Tricosanol	1000	J		14.5	ug/Kg
119101-30-3	1,1-Biphenyl, 5,2,3,4-tetramet	280	J		14.6	ug/Kg
001119-87-5	1,2-Dodecanediol	130	J		14.9	ug/Kg
001070-54-8	16-Hentriacontanol	260	J		15.2	ug/Kg
086917-79-5	6-Isopropenyl-4,8a-dimethyl-4a,5,6	270	J		17.4	ug/Kg
	unknown17.674	200	J		17.7	ug/Kg
	unknown17.762	150	J		17.8	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	180	J		18.0	ug/Kg
	unknown18.274	550	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