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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.6
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
BF142270.D	1	04/29/25 09:30	05/01/25 19:52	PB167779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		190	400	ug/Kg
108-95-2	Phenol	1700		26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	210	ug/Kg
95-57-8	2-Chlorophenol	1800		29.5	210	ug/Kg
95-48-7	2-Methylphenol	1700		36.1	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		45.3	210	ug/Kg
98-86-2	Acetophenone	1700		35.6	210	ug/Kg
65794-96-9	3+4-Methylphenols	1700		49.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.3	96.7	ug/Kg
67-72-1	Hexachloroethane	1800		21.3	210	ug/Kg
98-95-3	Nitrobenzene	2000		22.1	210	ug/Kg
78-59-1	Isophorone	1700		39.6	210	ug/Kg
88-75-5	2-Nitrophenol	2200		70.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		78.3	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		34.2	210	ug/Kg
91-20-3	Naphthalene	1700		27.4	210	ug/Kg
106-47-8	4-Chloroaniline	480		42.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	1900		30.6	210	ug/Kg
105-60-2	Caprolactam	1600		62.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		30.9	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		35.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		26.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	210	ug/Kg
88-74-4	2-Nitroaniline	1900		58.1	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.7	210	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.9	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		40.6	210	ug/Kg
99-09-2	3-Nitroaniline	1000		55.6	210	ug/Kg
83-32-9	Acenaphthene	1900		25.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	280	400	ug/Kg
100-02-7	4-Nitrophenol	3600	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1700		27.4	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		60.5	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		32.3	210	ug/Kg
86-73-7	Fluorene	1700		30.6	210	ug/Kg
100-01-6	4-Nitroaniline	1600		77.6	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		39.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	1900		30.6	210	ug/Kg
1912-24-9	Atrazine	2100		41.1	210	ug/Kg
87-86-5	Pentachlorophenol	3900	E	62.0	400	ug/Kg
85-01-8	Phenanthrene	1900		25.3	210	ug/Kg
120-12-7	Anthracene	1800		40.2	210	ug/Kg
86-74-8	Carbazole	1700		37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	2200		57.9	210	ug/Kg
206-44-0	Fluoranthene	1900		36.2	210	ug/Kg
129-00-0	Pyrene	1400		43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	2000		86.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		44.3	400	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.8	210	ug/Kg
218-01-9	Chrysene	1800		24.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		71.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		23.0	210	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		27.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.6	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		35.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		31.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		30.9	210	ug/Kg
123-91-1	1,4-Dioxane	1500		54.6	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.7		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	87.2		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.9		30 (18) - 130 (107)	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.2		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	42.1		30 (10) - 130 (105)	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	205000	6.91			
1146-65-2	Naphthalene-d8	762000	8.187			
15067-26-2	Acenaphthene-d10	352000	9.945			
1517-22-2	Phenanthrene-d10	496000	11.428			
1719-03-5	Chrysene-d12	430000	14.069			
1520-96-3	Perylene-d12	473000	15.557			

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