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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.1
Sample Wt/Vol:	30.03 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
BF140497.D	1	11/19/24 09:00	11/20/24 13:35	PB165086

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	J	210	380	ug/Kg
108-95-2	Phenol	1900		96.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		97.1	200	ug/Kg
95-57-8	2-Chlorophenol	2000		96.9	200	ug/Kg
95-48-7	2-Methylphenol	1900		93.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		110	200	ug/Kg
98-86-2	Acetophenone	1900		100	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		92.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		46.8	92.8	ug/Kg
67-72-1	Hexachloroethane	1900		96.3	200	ug/Kg
98-95-3	Nitrobenzene	1900		110	200	ug/Kg
78-59-1	Isophorone	2000		98.2	200	ug/Kg
88-75-5	2-Nitrophenol	2100		110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		99.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		87.6	200	ug/Kg
91-20-3	Naphthalene	1900		95.8	200	ug/Kg
106-47-8	4-Chloroaniline	770		95.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	1900		96.7	200	ug/Kg
105-60-2	Caprolactam	1900		100	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		89.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	1900		95.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	7800	E	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		82.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		85.9	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		100	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		96.7	200	ug/Kg
88-74-4	2-Nitroaniline	2000		110	200	ug/Kg
131-11-3	Dimethylphthalate	2000		94.8	200	ug/Kg

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208-96-8	Acenaphthylene	2100		100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		96.5	200	ug/Kg
99-09-2	3-Nitroaniline	1300		100	200	ug/Kg
83-32-9	Acenaphthene	2200		94.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	280	380	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	380	ug/Kg
132-64-9	Dibenzofuran	2000		97.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		100	200	ug/Kg
84-66-2	Diethylphthalate	2000		92.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		99.3	200	ug/Kg
86-73-7	Fluorene	1900		99.2	200	ug/Kg
100-01-6	4-Nitroaniline	1800		120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		140	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		94.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		91.5	200	ug/Kg
118-74-1	Hexachlorobenzene	2100		98.6	200	ug/Kg
1912-24-9	Atrazine	2200		110	200	ug/Kg
87-86-5	Pentachlorophenol	3800	E	89.7	380	ug/Kg
85-01-8	Phenanthrene	2000		97.5	200	ug/Kg
120-12-7	Anthracene	2100		97.9	200	ug/Kg
86-74-8	Carbazole	1900		93.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	2000		97.8	200	ug/Kg
206-44-0	Fluoranthene	1800		94.8	200	ug/Kg
129-00-0	Pyrene	2200		96.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	2200		110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		110	380	ug/Kg
56-55-3	Benzo(a)anthracene	2100		93.6	200	ug/Kg
218-01-9	Chrysene	2000		92.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		94.1	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800		95.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	2200		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		90.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400		94.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		92.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		100	200	ug/Kg
123-91-1	1,4-Dioxane	1700		130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		86.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.2		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.4		30 (20) - 130 (109)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		30 (10) - 130 (105)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	6.875			
1146-65-2	Naphthalene-d8	427000	8.157			
15067-26-2	Acenaphthene-d10	231000	9.91			
1517-22-2	Phenanthrene-d10	409000	11.398			
1719-03-5	Chrysene-d12	207000	14.045			
1520-96-3	Perylene-d12	226000	15.539			

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