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:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	TP-1MSD	SDG No.:	P4471
Lab Sample ID:	P4467-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
Sample Wt/Vol:	50.06 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
BF140005.D	1	10/22/24 10:44	10/24/24 17:17	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	340		120	220	ug/Kg
108-95-2	Phenol	1100		54.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		55.3	110	ug/Kg
95-57-8	2-Chlorophenol	1100		55.2	110	ug/Kg
95-48-7	2-Methylphenol	1100		53.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		60.1	110	ug/Kg
98-86-2	Acetophenone	1100		57.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.7	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		26.6	52.9	ug/Kg
67-72-1	Hexachloroethane	1100		54.8	110	ug/Kg
98-95-3	Nitrobenzene	1100		60.0	110	ug/Kg
78-59-1	Isophorone	1100		55.9	110	ug/Kg
88-75-5	2-Nitrophenol	1400		62.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		61.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		49.9	110	ug/Kg
91-20-3	Naphthalene	1100		54.6	110	ug/Kg
106-47-8	4-Chloroaniline	390		54.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		55.0	110	ug/Kg
105-60-2	Caprolactam	1100		57.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		51.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		47.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		48.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		55.0	110	ug/Kg
88-74-4	2-Nitroaniline	1200		62.8	110	ug/Kg
131-11-3	Dimethylphthalate	1200		54.0	110	ug/Kg

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BF140005.D	1	10/22/24 10:44	10/24/24 17:17	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		57.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		55.0	110	ug/Kg
99-09-2	3-Nitroaniline	750		58.9	110	ug/Kg
83-32-9	Acenaphthene	1200		53.6	110	ug/Kg
51-28-5	2,4-Dinitrophenol	2400	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2300	E	76.6	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		57.0	110	ug/Kg
84-66-2	Diethylphthalate	1100		52.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.6	110	ug/Kg
86-73-7	Fluorene	1100		56.5	110	ug/Kg
100-01-6	4-Nitroaniline	1200		70.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		77.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		53.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		52.1	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		56.2	110	ug/Kg
1912-24-9	Atrazine	1400		60.4	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	51.1	220	ug/Kg
85-01-8	Phenanthrene	1100		55.5	110	ug/Kg
120-12-7	Anthracene	1200		55.8	110	ug/Kg
86-74-8	Carbazole	1100		53.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.7	110	ug/Kg
206-44-0	Fluoranthene	1000		54.0	110	ug/Kg
129-00-0	Pyrene	1000		54.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1300		64.0	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		65.1	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		53.3	110	ug/Kg
218-01-9	Chrysene	1100		52.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		60.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		72.7	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		53.6	110	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		61.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		51.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		53.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		52.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		57.4	110	ug/Kg
123-91-1	1,4-Dioxane	960		72.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.4	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.9		30 (18) - 130 (112)	63%	SPK: 150
13127-88-3	Phenol-d6	92.7		30 (15) - 130 (107)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.6		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.2		30 (20) - 130 (109)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 (10) - 130 (116)	74%	SPK: 150
1718-51-0	Terphenyl-d14	64.9		30 (10) - 130 (105)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.893			
1146-65-2	Naphthalene-d8	501000	8.175			
15067-26-2	Acenaphthene-d10	271000	9.928			
1517-22-2	Phenanthrene-d10	451000	11.416			
1719-03-5	Chrysene-d12	233000	14.051			
1520-96-3	Perylene-d12	308000	15.527			

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