Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	550		190	350	ug/Kg
108-95-2	Phenol	2000		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.1	180	ug/Kg
95-57-8	2-Chlorophenol	2000		88.9	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.8	180	ug/Kg
98-86-2	Acetophenone	1900		92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1700		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.7	180	ug/Kg
78-59-1	Isophorone	1800		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		80.4	180	ug/Kg
91-20-3	Naphthalene	1800		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	810		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		88.7	180	ug/Kg
105-60-2	Caprolactam	2000		92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.7	180	ug/Kg
88-74-4	2-Nitroaniline	1800		100	180	ug/Kg
131-11-3	Dimethylphthalate	1800		87.0	180	ug/Kg

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208-96-8	Acenaphthylene	2000		92.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.6	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	1900		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1700		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.1	180	ug/Kg
86-73-7	Fluorene	1800		91.0	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		84.0	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.5	180	ug/Kg
1912-24-9	Atrazine	2200		97.3	180	ug/Kg
87-86-5	Pentachlorophenol	2800		82.3	350	ug/Kg
85-01-8	Phenanthrene	2000		89.4	180	ug/Kg
120-12-7	Anthracene	1900		89.9	180	ug/Kg
86-74-8	Carbazole	1900		85.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.8	180	ug/Kg
206-44-0	Fluoranthene	1700		87.0	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.9	180	ug/Kg
218-01-9	Chrysene	1800		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		96.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		86.4	180	ug/Kg

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207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		99.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.4	180	ug/Kg
123-91-1	1,4-Dioxane	1400		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		30 (10) - 130 (105)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55400	6.851			
1146-65-2	Naphthalene-d8	209000	8.128			
15067-26-2	Acenaphthene-d10	116000	9.886			
1517-22-2	Phenanthrene-d10	219000	11.38			
1719-03-5	Chrysene-d12	133000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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