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:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-163-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.5
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
BF141769.D	1	02/25/25 09:30	02/25/25 17:34	PB166853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	370	ug/Kg
108-95-2	Phenol	93.5	U	93.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.4	U	94.4	190	ug/Kg
95-57-8	2-Chlorophenol	94.2	U	94.2	190	ug/Kg
95-48-7	2-Methylphenol	90.9	U	90.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.0	U	98.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.0	U	90.0	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.4	U	45.4	90.2	ug/Kg
67-72-1	Hexachloroethane	93.6	U	93.6	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.4	U	95.4	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.8	U	96.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.1	U	85.1	190	ug/Kg
91-20-3	Naphthalene	93.1	U	93.1	190	ug/Kg
106-47-8	4-Chloroaniline	93.1	UQ	93.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.9	U	93.9	190	ug/Kg
105-60-2	Caprolactam	97.9	U	97.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.4	U	87.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.0	U	93.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.5	U	80.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.4	U	83.4	190	ug/Kg
92-52-4	1,1-Biphenyl	98.6	U	98.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.9	U	93.9	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.1	U	92.1	190	ug/Kg

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BF141769.D	1	02/25/25 09:30	02/25/25 17:34	PB166853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.5	U	97.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.8	U	93.8	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.5	U	91.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.2	U	95.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.2	U	97.2	190	ug/Kg
84-66-2	Diethylphthalate	90.3	U	90.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.5	U	96.5	190	ug/Kg
86-73-7	Fluorene	96.4	U	96.4	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.0	U	92.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.0	U	89.0	190	ug/Kg
118-74-1	Hexachlorobenzene	95.9	U	95.9	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.2	U	87.2	370	ug/Kg
85-01-8	Phenanthrene	94.7	U	94.7	190	ug/Kg
120-12-7	Anthracene	95.2	U	95.2	190	ug/Kg
86-74-8	Carbazole	90.6	U	90.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.1	U	95.1	190	ug/Kg
206-44-0	Fluoranthene	92.1	U	92.1	190	ug/Kg
129-00-0	Pyrene	93.6	U	93.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.0	U	91.0	190	ug/Kg
218-01-9	Chrysene	89.7	U	89.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.5	U	91.5	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	93.1	U	93.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.1	U	88.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.6	U	91.6	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.3	U	90.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.9	U	97.9	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.2	U	84.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.4		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	93.1		30 (15) - 130 (107)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.9		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.2		30 (10) - 130 (116)	56%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		30 (10) - 130 (105)	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65700	6.781			
1146-65-2	Naphthalene-d8	241000	8.063			
15067-26-2	Acenaphthene-d10	115000	9.816			
1517-22-2	Phenanthrene-d10	182000	11.298			
1719-03-5	Chrysene-d12	153000	13.939			
1520-96-3	Perylene-d12	176000	15.38			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown2.293	100	J		2.29	ug/Kg
004358-59-2	2-Butenoic acid, methyl ester, (Z)	1400	J		2.54	ug/Kg
	unknown3.216	230	J		3.22	ug/Kg
000105-58-8	Diethyl carbonate	1000	J		4.17	ug/Kg
004513-62-6	Hexanedioic acid, 2-methyl-5-methy	280	J		8.79	ug/Kg
000119-61-9	Benzophenone	170	J		10.5	ug/Kg
	unknown10.851	96.2	J		10.9	ug/Kg

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000057-10-3	n-Hexadecanoic acid	220	J		11.8	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	250	J		13.8	ug/Kg
	unknown14.004	80.1	J		14.0	ug/Kg
	unknown14.392	98.1	J		14.4	ug/Kg
000112-84-5	13-Docosenamide, (Z)-	240	J		14.7	ug/Kg
	unknown14.769	120	J		14.8	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