

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.04 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
BF141528.D	2	01/31/25 10:20	02/08/25 00:20	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	690	U	380	690	ug/Kg
108-95-2	Phenol	360	U	170	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	360	U	180	360	ug/Kg
95-57-8	2-Chlorophenol	360	U	180	360	ug/Kg
95-48-7	2-Methylphenol	360	U	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	190	360	ug/Kg
98-86-2	Acetophenone	360	UQ	180	360	ug/Kg
65794-96-9	3+4-Methylphenols	690	U	170	690	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	84.6	170	ug/Kg
67-72-1	Hexachloroethane	360	U	170	360	ug/Kg
98-95-3	Nitrobenzene	360	U	190	360	ug/Kg
78-59-1	Isophorone	360	U	180	360	ug/Kg
88-75-5	2-Nitrophenol	360	U	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	360	U	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	360	U	160	360	ug/Kg
91-20-3	Naphthalene	360	U	170	360	ug/Kg
106-47-8	4-Chloroaniline	360	U	170	360	ug/Kg
87-68-3	Hexachlorobutadiene	360	U	170	360	ug/Kg
105-60-2	Caprolactam	690	U	180	690	ug/Kg
59-50-7	4-Chloro-3-methylphenol	360	U	160	360	ug/Kg
91-57-6	2-Methylnaphthalene	360	U	170	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	690	UQ	330	690	ug/Kg
88-06-2	2,4,6-Trichlorophenol	360	U	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	360	U	160	360	ug/Kg
92-52-4	1,1-Biphenyl	360	U	180	360	ug/Kg
91-58-7	2-Chloronaphthalene	360	U	170	360	ug/Kg
88-74-4	2-Nitroaniline	360	U	200	360	ug/Kg
131-11-3	Dimethylphthalate	360	U	170	360	ug/Kg

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208-96-8	Acenaphthylene	180	J	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	360	U	170	360	ug/Kg
99-09-2	3-Nitroaniline	360	U	190	360	ug/Kg
83-32-9	Acenaphthene	450		170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	690	U	510	690	ug/Kg
100-02-7	4-Nitrophenol	690	U	240	690	ug/Kg
132-64-9	Dibenzofuran	210	J	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	360	U	180	360	ug/Kg
84-66-2	Diethylphthalate	360	U	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	360	U	180	360	ug/Kg
86-73-7	Fluorene	340	J	180	360	ug/Kg
100-01-6	4-Nitroaniline	360	U	220	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	690	U	250	690	ug/Kg
86-30-6	n-Nitrosodiphenylamine	360	U	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	360	U	170	360	ug/Kg
118-74-1	Hexachlorobenzene	360	U	180	360	ug/Kg
1912-24-9	Atrazine	360	U	190	360	ug/Kg
87-86-5	Pentachlorophenol	690	U	160	690	ug/Kg
85-01-8	Phenanthrene	4000		180	360	ug/Kg
120-12-7	Anthracene	1100		180	360	ug/Kg
86-74-8	Carbazole	260	J	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	180	360	ug/Kg
206-44-0	Fluoranthene	4900		170	360	ug/Kg
129-00-0	Pyrene	5400		170	360	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	200	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	690	U	210	690	ug/Kg
56-55-3	Benzo(a)anthracene	3200		170	360	ug/Kg
218-01-9	Chrysene	2700		170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	J	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	690	U	230	690	ug/Kg
205-99-2	Benzo(b)fluoranthene	2900		170	360	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1500		170	360	ug/Kg
50-32-8	Benzo(a)pyrene	2900		200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		160	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	430		170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	180	360	ug/Kg
123-91-1	1,4-Dioxane	360	U	230	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	160	360	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	89.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	85.6		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.6		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.8		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	75.2		10 - 105	75%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	82100	6.792
1146-65-2	Naphthalene-d8	311000	8.075
15067-26-2	Acenaphthene-d10	153000	9.827
1517-22-2	Phenanthrene-d10	233000	11.316
1719-03-5	Chrysene-d12	137000	13.974
1520-96-3	Perylene-d12	111000	15.457

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	360	J	10.5	ug/Kg
006418-41-3	Tridecane, 3-methyl-	280	J	10.7	ug/Kg
002141-42-6	Anthracene, 1,2,3,4-tetrahydro-	300	J	11.2	ug/Kg
000132-65-0	Dibenzothiophene	280	J	11.2	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	240	J	11.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	740	J	11.8	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	970	J	11.9	ug/Kg

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002531-84-2	Phenanthrene, 2-methyl-	390	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	J		11.9	ug/Kg
	unknown12.016	330	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	570	J		12.1	ug/Kg
000084-65-1	9,10-Anthracenedione	240	J		12.1	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	500	J		12.3	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	560	J		12.4	ug/Kg
	unknown12.410	400	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	430	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	300	J		13.0	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	370	J		13.1	ug/Kg
065078-61-7	3-Methyl-4-p-tolylhydrazono-2-pyra	280	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	2300	J		15.3	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