

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-46.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94
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
BF141523.D	2	01/31/25 10:20	02/07/25 22:07	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	700	U	390	700	ug/Kg
108-95-2	Phenol	360	U	180	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	700	U	170	700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	85.7	170	ug/Kg
67-72-1	Hexachloroethane	360	U	180	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	180	J	180	360	ug/Kg
106-47-8	4-Chloroaniline	360	U	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	360	U	180	360	ug/Kg
105-60-2	Caprolactam	700	U	180	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	360	U	160	360	ug/Kg
91-57-6	2-Methylnaphthalene	360	U	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	700	UQ	330	700	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	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	360	U	180	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	360	U	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	360	U	180	360	ug/Kg
99-09-2	3-Nitroaniline	360	U	190	360	ug/Kg
83-32-9	Acenaphthene	380		170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	700	U	520	700	ug/Kg
100-02-7	4-Nitrophenol	700	U	250	700	ug/Kg
132-64-9	Dibenzofuran	260	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	500		180	360	ug/Kg
100-01-6	4-Nitroaniline	360	U	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	700	U	250	700	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	700	U	160	700	ug/Kg
85-01-8	Phenanthrene	3700		180	360	ug/Kg
120-12-7	Anthracene	1300		180	360	ug/Kg
86-74-8	Carbazole	420		170	360	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	180	360	ug/Kg
206-44-0	Fluoranthene	3900		170	360	ug/Kg
129-00-0	Pyrene	3700		180	360	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	700	U	210	700	ug/Kg
56-55-3	Benzo(a)anthracene	2200		170	360	ug/Kg
218-01-9	Chrysene	1700		170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	700	U	230	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		170	360	ug/Kg

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207-08-9	Benzo(k)fluoranthene	810		180	360	ug/Kg
50-32-8	Benzo(a)pyrene	1700		200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	690		170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	J	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	760		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	73.5		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	71.7		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.7		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.2		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	65.5		10 - 105	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	83700	6.793
1146-65-2	Naphthalene-d8	306000	8.075
15067-26-2	Acenaphthene-d10	148000	9.828
1517-22-2	Phenanthrene-d10	234000	11.316
1719-03-5	Chrysene-d12	140000	13.963
1520-96-3	Perylene-d12	112000	15.433

TENTATIVE IDENTIFIED COMPOUNDS

000108-94-1	Cyclohexanone	200	J	5.66	ug/Kg
000119-61-9	Benzophenone	360	J	10.5	ug/Kg
000613-12-7	Anthracene, 2-methyl-	180	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	240	J	11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	440	J	11.9	ug/Kg
002381-21-7	Pyrene, 1-methyl-	200	J	13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	400	J	13.1	ug/Kg

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033543-31-6	Fluoranthene, 2-methyl-	250	J		13.2	ug/Kg
	unknown13.192	220	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	1000	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