

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-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	30.07 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
BF141522.D	2	01/31/25 10:20	02/07/25 21:40	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	740	U	410	740	ug/Kg
108-95-2	Phenol	380	U	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	190	380	ug/Kg
95-57-8	2-Chlorophenol	380	U	190	380	ug/Kg
95-48-7	2-Methylphenol	380	U	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	200	380	ug/Kg
98-86-2	Acetophenone	380	UQ	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	740	U	180	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	90.1	180	ug/Kg
67-72-1	Hexachloroethane	380	U	190	380	ug/Kg
98-95-3	Nitrobenzene	380	U	200	380	ug/Kg
78-59-1	Isophorone	380	U	190	380	ug/Kg
88-75-5	2-Nitrophenol	380	U	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	170	380	ug/Kg
91-20-3	Naphthalene	380	U	180	380	ug/Kg
106-47-8	4-Chloroaniline	380	U	180	380	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	190	380	ug/Kg
105-60-2	Caprolactam	740	U	190	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	180	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	740	UQ	350	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	170	380	ug/Kg
92-52-4	1,1-Biphenyl	380	U	200	380	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	190	380	ug/Kg
88-74-4	2-Nitroaniline	380	U	210	380	ug/Kg
131-11-3	Dimethylphthalate	380	U	180	380	ug/Kg

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208-96-8	Acenaphthylene	380	U	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	190	380	ug/Kg
99-09-2	3-Nitroaniline	380	U	200	380	ug/Kg
83-32-9	Acenaphthene	380	U	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	740	U	540	740	ug/Kg
100-02-7	4-Nitrophenol	740	U	260	740	ug/Kg
132-64-9	Dibenzofuran	380	U	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	190	380	ug/Kg
84-66-2	Diethylphthalate	380	U	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	190	380	ug/Kg
86-73-7	Fluorene	380	U	190	380	ug/Kg
100-01-6	4-Nitroaniline	380	U	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	260	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	180	380	ug/Kg
118-74-1	Hexachlorobenzene	380	U	190	380	ug/Kg
1912-24-9	Atrazine	380	U	200	380	ug/Kg
87-86-5	Pentachlorophenol	740	U	170	740	ug/Kg
85-01-8	Phenanthrene	1700		190	380	ug/Kg
120-12-7	Anthracene	480		190	380	ug/Kg
86-74-8	Carbazole	380	U	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	190	380	ug/Kg
206-44-0	Fluoranthene	3700		180	380	ug/Kg
129-00-0	Pyrene	4200		190	380	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	220	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740	U	220	740	ug/Kg
56-55-3	Benzo(a)anthracene	2300		180	380	ug/Kg
218-01-9	Chrysene	1800		180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	740	U	250	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		180	380	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1100		180	380	ug/Kg
50-32-8	Benzo(a)pyrene	2200		210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	940		170	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	J	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	190	380	ug/Kg
123-91-1	1,4-Dioxane	380	U	250	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	170	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	68.5		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	69.6		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.2		10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	55.0		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	91600	6.793
1146-65-2	Naphthalene-d8	347000	8.075
15067-26-2	Acenaphthene-d10	170000	9.828
1517-22-2	Phenanthrene-d10	256000	11.316
1719-03-5	Chrysene-d12	155000	13.963
1520-96-3	Perylene-d12	121000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	250	J	10.5	ug/Kg
321732-25-6	Dehydrochamazulene	170	J	11.2	ug/Kg
000244-99-5	5H-Indeno[1,2-b]pyridine	150	J	11.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	260	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	520	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	210	J	11.9	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	740	J	11.9	ug/Kg

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000612-94-2	Naphthalene, 2-phenyl-	270	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J		12.4	ug/Kg
	unknown12.404	210	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	220	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	240	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	300	J		13.1	ug/Kg
003353-12-6	Pyrene, 4-methyl-	220	J		13.2	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