

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
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
BF141461.D	1	01/29/25 08:40	02/05/25 21:31	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	210	390	ug/Kg
108-95-2	Phenol	200	U	96.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	97.7	200	ug/Kg
95-57-8	2-Chlorophenol	200	U	97.5	200	ug/Kg
95-48-7	2-Methylphenol	200	U	94.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	110	200	ug/Kg
98-86-2	Acetophenone	200	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	93.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	93.4	U	47.0	93.4	ug/Kg
67-72-1	Hexachloroethane	200	U	96.9	200	ug/Kg
98-95-3	Nitrobenzene	200	U	110	200	ug/Kg
78-59-1	Isophorone	200	U	98.7	200	ug/Kg
88-75-5	2-Nitrophenol	200	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	100	200	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	88.1	200	ug/Kg
91-20-3	Naphthalene	200	U	96.4	200	ug/Kg
106-47-8	4-Chloroaniline	200	U	96.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	97.2	200	ug/Kg
105-60-2	Caprolactam	390	U	100	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	90.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	96.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	UQ	180	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	83.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	86.4	200	ug/Kg
92-52-4	1,1-Biphenyl	200	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	97.2	200	ug/Kg
88-74-4	2-Nitroaniline	200	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	200	U	95.4	200	ug/Kg

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208-96-8	Acenaphthylene	200	U	100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	97.1	200	ug/Kg
99-09-2	3-Nitroaniline	200	U	100	200	ug/Kg
83-32-9	Acenaphthene	200		94.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	280	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	140	390	ug/Kg
132-64-9	Dibenzofuran	200	U	98.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	100	200	ug/Kg
84-66-2	Diethylphthalate	200	U	93.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	99.9	200	ug/Kg
86-73-7	Fluorene	180	J	99.8	200	ug/Kg
100-01-6	4-Nitroaniline	200	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	140	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	95.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	92.1	200	ug/Kg
118-74-1	Hexachlorobenzene	200	U	99.2	200	ug/Kg
1912-24-9	Atrazine	200	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	390	U	90.2	390	ug/Kg
85-01-8	Phenanthrene	2000		98.0	200	ug/Kg
120-12-7	Anthracene	630		98.5	200	ug/Kg
86-74-8	Carbazole	140	J	93.7	200	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	98.4	200	ug/Kg
206-44-0	Fluoranthene	3600	E	95.4	200	ug/Kg
129-00-0	Pyrene	2400		96.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	120	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		94.2	200	ug/Kg
218-01-9	Chrysene	1400		92.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	130	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		94.7	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	810		96.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	700		91.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		94.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		93.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	200	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	87.2	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	70.2		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	68.9		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.0		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.9		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.1		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	35.5		10 - 105	36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	73900	6.787
1146-65-2	Naphthalene-d8	280000	8.069
15067-26-2	Acenaphthene-d10	130000	9.828
1517-22-2	Phenanthrene-d10	190000	11.316
1719-03-5	Chrysene-d12	151000	13.963
1520-96-3	Perylene-d12	120000	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	390	J	10.5	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	140	J	10.9	ug/Kg
000486-25-9	9H-Fluoren-9-one	93.8	J	11.1	ug/Kg
400744-83-4	3-Methyl-[1,1-biphenyl]-4-carbal	130	J	11.2	ug/Kg
000132-65-0	Dibenzothiophene	120	J	11.2	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	330	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	580	J	11.8	ug/Kg

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000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	210	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	820	J		11.9	ug/Kg
004630-20-0	3-Methylcarbazole	120	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	270	J		12.1	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	140	J		12.3	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J		12.4	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	160	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	240	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	180	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	120	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J		15.1	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1200	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