

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.8
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
BF141391.D	2	01/30/25 09:15	02/04/25 01:16	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	770	U	420	770	ug/Kg
108-95-2	Phenol	400	U	190	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	400	U	190	400	ug/Kg
95-57-8	2-Chlorophenol	400	U	190	400	ug/Kg
95-48-7	2-Methylphenol	400	U	190	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	210	400	ug/Kg
98-86-2	Acetophenone	400	U	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	770	U	190	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	93.7	190	ug/Kg
67-72-1	Hexachloroethane	400	U	190	400	ug/Kg
98-95-3	Nitrobenzene	400	U	210	400	ug/Kg
78-59-1	Isophorone	400	U	200	400	ug/Kg
88-75-5	2-Nitrophenol	400	U	220	400	ug/Kg
105-67-9	2,4-Dimethylphenol	400	U	220	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	400	U	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	400	U	180	400	ug/Kg
91-20-3	Naphthalene	400	U	190	400	ug/Kg
106-47-8	4-Chloroaniline	400	U	190	400	ug/Kg
87-68-3	Hexachlorobutadiene	400	U	190	400	ug/Kg
105-60-2	Caprolactam	770	U	200	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	U	180	400	ug/Kg
91-57-6	2-Methylnaphthalene	400	U	190	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	770	UQ	360	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	170	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	U	170	400	ug/Kg
92-52-4	1,1-Biphenyl	400	U	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	400	U	190	400	ug/Kg
88-74-4	2-Nitroaniline	400	U	220	400	ug/Kg
131-11-3	Dimethylphthalate	400	U	190	400	ug/Kg

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208-96-8	Acenaphthylene	400	U	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	400	U	190	400	ug/Kg
99-09-2	3-Nitroaniline	400	U	210	400	ug/Kg
83-32-9	Acenaphthene	400	U	190	400	ug/Kg
51-28-5	2,4-Dinitrophenol	770	U	570	770	ug/Kg
100-02-7	4-Nitrophenol	770	U	270	770	ug/Kg
132-64-9	Dibenzofuran	400	U	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	U	200	400	ug/Kg
84-66-2	Diethylphthalate	400	U	190	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	400	U	200	400	ug/Kg
86-73-7	Fluorene	400	U	200	400	ug/Kg
100-01-6	4-Nitroaniline	400	U	250	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	770	U	270	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	400	U	190	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	400	U	180	400	ug/Kg
118-74-1	Hexachlorobenzene	400	U	200	400	ug/Kg
1912-24-9	Atrazine	400	U	210	400	ug/Kg
87-86-5	Pentachlorophenol	770	U	180	770	ug/Kg
85-01-8	Phenanthrene	1900		200	400	ug/Kg
120-12-7	Anthracene	470		200	400	ug/Kg
86-74-8	Carbazole	400	U	190	400	ug/Kg
84-74-2	Di-n-butylphthalate	400	U	200	400	ug/Kg
206-44-0	Fluoranthene	3100		190	400	ug/Kg
129-00-0	Pyrene	2000		190	400	ug/Kg
85-68-7	Butylbenzylphthalate	400	U	230	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	770	UQ	230	770	ug/Kg
56-55-3	Benzo(a)anthracene	1300		190	400	ug/Kg
218-01-9	Chrysene	1200		180	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	400	U	210	400	ug/Kg
117-84-0	Di-n-octyl phthalate	770	U	260	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		190	400	ug/Kg

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207-08-9	Benzo(k)fluoranthene	560		190	400	ug/Kg
50-32-8	Benzo(a)pyrene	1400		220	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	550		180	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	400	U	190	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	650		190	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	200	400	ug/Kg
123-91-1	1,4-Dioxane	400	U	260	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	400	U	170	400	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.6		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	78.7		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.5		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.9		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	45.1		10 - 105	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	84000	6.792
1146-65-2	Naphthalene-d8	310000	8.075
15067-26-2	Acenaphthene-d10	144000	9.828
1517-22-2	Phenanthrene-d10	204000	11.316
1719-03-5	Chrysene-d12	172000	13.957
1520-96-3	Perylene-d12	128000	15.404

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	190	J	10.5	ug/Kg
000779-02-2	Anthracene, 9-methyl-	220	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	470	J	11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	550	J	11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	210	J	12.1	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	220	J	12.3	ug/Kg
002381-21-7	Pyrene, 1-methyl-	160	J	13.0	ug/Kg

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003442-78-2	Pyrene, 2-methyl-	320	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	1100	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