

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
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
BF141525.D	2	01/31/25 10:20	02/07/25 23:00	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	760	U	420	760	ug/Kg
108-95-2	Phenol	390	U	190	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	190	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	190	390	ug/Kg
95-48-7	2-Methylphenol	390	U	190	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	210	390	ug/Kg
98-86-2	Acetophenone	390	UQ	200	390	ug/Kg
65794-96-9	3+4-Methylphenols	760	U	180	760	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	92.9	180	ug/Kg
67-72-1	Hexachloroethane	390	U	190	390	ug/Kg
98-95-3	Nitrobenzene	390	U	210	390	ug/Kg
78-59-1	Isophorone	390	U	200	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	220	390	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	210	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	200	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	170	390	ug/Kg
91-20-3	Naphthalene	390	U	190	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	190	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	190	390	ug/Kg
105-60-2	Caprolactam	760	U	200	760	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	180	390	ug/Kg
91-57-6	2-Methylnaphthalene	390	U	190	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	760	UQ	360	760	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	160	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	170	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	200	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	190	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	220	390	ug/Kg
131-11-3	Dimethylphthalate	390	U	190	390	ug/Kg

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208-96-8	Acenaphthylene	390	U	200	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	190	390	ug/Kg
99-09-2	3-Nitroaniline	390	U	210	390	ug/Kg
83-32-9	Acenaphthene	490		190	390	ug/Kg
51-28-5	2,4-Dinitrophenol	760	U	560	760	ug/Kg
100-02-7	4-Nitrophenol	760	U	270	760	ug/Kg
132-64-9	Dibenzofuran	220	J	190	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	200	390	ug/Kg
84-66-2	Diethylphthalate	390	U	180	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	200	390	ug/Kg
86-73-7	Fluorene	400		200	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	250	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	760	U	270	760	ug/Kg
86-30-6	n-Nitrosodiphenylamine	390	U	190	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	180	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	200	390	ug/Kg
1912-24-9	Atrazine	390	U	210	390	ug/Kg
87-86-5	Pentachlorophenol	760	U	180	760	ug/Kg
85-01-8	Phenanthrene	5800		190	390	ug/Kg
120-12-7	Anthracene	1900		190	390	ug/Kg
86-74-8	Carbazole	390	U	190	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	190	390	ug/Kg
206-44-0	Fluoranthene	10600	E	190	390	ug/Kg
129-00-0	Pyrene	11400	E	190	390	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	220	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760	U	230	760	ug/Kg
56-55-3	Benzo(a)anthracene	6200	E	190	390	ug/Kg
218-01-9	Chrysene	5300		180	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	390	U	210	390	ug/Kg
117-84-0	Di-n-octyl phthalate	760	U	250	760	ug/Kg
205-99-2	Benzo(b)fluoranthene	6500	E	190	390	ug/Kg

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207-08-9	Benzo(k)fluoranthene	3400		190	390	ug/Kg
50-32-8	Benzo(a)pyrene	6400	E	210	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		180	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	880		190	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3200		180	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	200	390	ug/Kg
123-91-1	1,4-Dioxane	390	U	250	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	170	390	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	87.8		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	87.7		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.4		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.6		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	88500	6.792
1146-65-2	Naphthalene-d8	335000	8.075
15067-26-2	Acenaphthene-d10	161000	9.828
1517-22-2	Phenanthrene-d10	239000	11.322
1719-03-5	Chrysene-d12	139000	13.974
1520-96-3	Perylene-d12	114000	15.451

TENTATIVE IDENTIFIED COMPOUNDS

000544-76-3	Hexadecane	160	J	9.23	ug/Kg
000112-40-3	Dodecane	350	J	10.3	ug/Kg
001855-47-6	1-Isopropenylnaphthalene	160	J	10.4	ug/Kg
000119-61-9	Benzophenone	470	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	170	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	250	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	450	J	11.9	ug/Kg

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000612-94-2	Naphthalene, 2-phenyl-	170	J		12.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	270	J		13.0	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	400	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	300	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	170	J		13.3	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	180	J		13.5	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	160	J		13.7	ug/Kg
000195-19-7	Benzo[c]phenanthrene	190	J		14.1	ug/Kg
000192-97-2	Benzo[e]pyrene	1500	J		15.1	ug/Kg
000198-55-0	Perylene	5800	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