

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-6.2-013025	SDG No.:	Q1242
Lab Sample ID:	Q1242-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.2
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
BF141526.D	2	01/31/25 10:20	02/07/25 23:27	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	810	U	450	810	ug/Kg
108-95-2	Phenol	420	U	200	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	420	U	210	420	ug/Kg
95-57-8	2-Chlorophenol	420	U	210	420	ug/Kg
95-48-7	2-Methylphenol	420	U	200	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	420	U	220	420	ug/Kg
98-86-2	Acetophenone	420	UQ	210	420	ug/Kg
65794-96-9	3+4-Methylphenols	810	U	200	810	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	99.0	200	ug/Kg
67-72-1	Hexachloroethane	420	U	200	420	ug/Kg
98-95-3	Nitrobenzene	420	U	220	420	ug/Kg
78-59-1	Isophorone	420	U	210	420	ug/Kg
88-75-5	2-Nitrophenol	420	U	230	420	ug/Kg
105-67-9	2,4-Dimethylphenol	420	U	230	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	420	U	210	420	ug/Kg
120-83-2	2,4-Dichlorophenol	420	U	190	420	ug/Kg
91-20-3	Naphthalene	600		200	420	ug/Kg
106-47-8	4-Chloroaniline	420	U	200	420	ug/Kg
87-68-3	Hexachlorobutadiene	420	U	200	420	ug/Kg
105-60-2	Caprolactam	810	U	210	810	ug/Kg
59-50-7	4-Chloro-3-methylphenol	420	U	190	420	ug/Kg
91-57-6	2-Methylnaphthalene	240	J	200	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	810	UQ	380	810	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	180	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	420	U	180	420	ug/Kg
92-52-4	1,1-Biphenyl	420	U	210	420	ug/Kg
91-58-7	2-Chloronaphthalene	420	U	200	420	ug/Kg
88-74-4	2-Nitroaniline	420	U	230	420	ug/Kg
131-11-3	Dimethylphthalate	420	U	200	420	ug/Kg

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208-96-8	Acenaphthylene	420	U	210	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	420	U	200	420	ug/Kg
99-09-2	3-Nitroaniline	420	U	220	420	ug/Kg
83-32-9	Acenaphthene	480		200	420	ug/Kg
51-28-5	2,4-Dinitrophenol	810	U	600	810	ug/Kg
100-02-7	4-Nitrophenol	810	U	290	810	ug/Kg
132-64-9	Dibenzofuran	310	J	210	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	420	U	210	420	ug/Kg
84-66-2	Diethylphthalate	420	U	200	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	420	U	210	420	ug/Kg
86-73-7	Fluorene	390	J	210	420	ug/Kg
100-01-6	4-Nitroaniline	420	U	260	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	810	U	290	810	ug/Kg
86-30-6	n-Nitrosodiphenylamine	420	U	200	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	420	U	190	420	ug/Kg
118-74-1	Hexachlorobenzene	420	U	210	420	ug/Kg
1912-24-9	Atrazine	420	U	220	420	ug/Kg
87-86-5	Pentachlorophenol	810	U	190	810	ug/Kg
85-01-8	Phenanthrene	3600		210	420	ug/Kg
120-12-7	Anthracene	910		210	420	ug/Kg
86-74-8	Carbazole	280	J	200	420	ug/Kg
84-74-2	Di-n-butylphthalate	420	U	210	420	ug/Kg
206-44-0	Fluoranthene	4300		200	420	ug/Kg
129-00-0	Pyrene	4800		200	420	ug/Kg
85-68-7	Butylbenzylphthalate	420	U	240	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	810	U	240	810	ug/Kg
56-55-3	Benzo(a)anthracene	2400		200	420	ug/Kg
218-01-9	Chrysene	2000		200	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420	U	220	420	ug/Kg
117-84-0	Di-n-octyl phthalate	810	U	270	810	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		200	420	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1300		200	420	ug/Kg
50-32-8	Benzo(a)pyrene	2300		230	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		190	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	310	J	200	420	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		200	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U	210	420	ug/Kg
123-91-1	1,4-Dioxane	420	U	270	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	420	U	180	420	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	11.5	*	18 - 112	8%	SPK: 150
13127-88-3	Phenol-d6	61.9		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.4		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.5		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	5.80	*	10 - 116	4%	SPK: 150
1718-51-0	Terphenyl-d14	66.5		10 - 105	67%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	82600	6.793
1146-65-2	Naphthalene-d8	302000	8.075
15067-26-2	Acenaphthene-d10	146000	9.828
1517-22-2	Phenanthrene-d10	231000	11.316
1719-03-5	Chrysene-d12	137000	13.963
1520-96-3	Perylene-d12	112000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2400	AB	4.99	ug/Kg
000080-56-8	.alpha.-Pinene	500	J	6.06	ug/Kg
000099-87-6	p-Cymene	310	J	6.87	ug/Kg
000544-76-3	Hexadecane	210	J	9.23	ug/Kg
000119-61-9	Benzophenone	410	J	10.5	ug/Kg
042224-48-6	2-[2-Phenylethenyl]phenol	210	J	11.1	ug/Kg
002141-42-6	Anthracene, 1,2,3,4-tetrahydro-	260	J	11.2	ug/Kg

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000132-65-0	Dibenzothiophene	280	J		11.2	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	450	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	630	J		11.8	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	280	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1100	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	230	J		12.1	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	750	J		12.3	ug/Kg
010387-13-0	9,10-di(Chloromethyl)anthracene	250	J		12.4	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	210	J		13.0	ug/Kg
000483-65-8	Retene	230	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	270	J		13.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	360	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	1600	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