

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-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.4
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
BF141516.D	1	01/30/25 09:15	02/07/25 19:02	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	360	U	200	360	ug/Kg
108-95-2	Phenol	190	U	91.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	92.4	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	92.2	190	ug/Kg
95-48-7	2-Methylphenol	190	U	89.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	95.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	88.1	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.3	U	44.5	88.3	ug/Kg
67-72-1	Hexachloroethane	190	U	91.6	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	93.4	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	94.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	83.4	190	ug/Kg
91-20-3	Naphthalene	190	U	91.2	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	91.2	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	92.0	190	ug/Kg
105-60-2	Caprolactam	360	U	95.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	85.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	91.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	360	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	78.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	81.7	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	96.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	92.0	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	90.2	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	95.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	91.9	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	98.5	190	ug/Kg
83-32-9	Acenaphthene	93.4	J	89.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	270	360	ug/Kg
100-02-7	4-Nitrophenol	360	U	130	360	ug/Kg
132-64-9	Dibenzofuran	190	U	93.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	95.2	190	ug/Kg
84-66-2	Diethylphthalate	190	U	88.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	94.5	190	ug/Kg
86-73-7	Fluorene	190	U	94.4	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	90.1	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	87.1	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	93.8	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	360	U	85.3	360	ug/Kg
85-01-8	Phenanthrene	1100		92.7	190	ug/Kg
120-12-7	Anthracene	290		93.2	190	ug/Kg
86-74-8	Carbazole	190	U	88.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	93.1	190	ug/Kg
206-44-0	Fluoranthene	2200		90.2	190	ug/Kg
129-00-0	Pyrene	2200		91.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	1300		89.1	190	ug/Kg
218-01-9	Chrysene	1100		87.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		89.5	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	560		91.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	1300		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590		86.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190		89.6	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	690		88.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	95.8	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	82.5	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	72.7		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	69.9		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.8		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.4		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	46.3		10 - 105	46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	86300	6.792
1146-65-2	Naphthalene-d8	330000	8.069
15067-26-2	Acenaphthene-d10	157000	9.828
1517-22-2	Phenanthrene-d10	229000	11.316
1719-03-5	Chrysene-d12	157000	13.963
1520-96-3	Perylene-d12	121000	15.427

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	170	J	10.5	ug/Kg
	unknown11.175	83.5	J	11.2	ug/Kg
000233-02-3	Naphtho[2,1-b]thiophene	75.1	J	11.2	ug/Kg
007599-23-7	1,1-Biphenyl, 2-azido-	140	J	11.6	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	82.4	J	11.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	200	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	450	J	11.8	ug/Kg

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000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	140	J		11.9	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	540	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	230	J		12.1	ug/Kg
000084-65-1	9,10-Anthracenedione	80.6	J		12.1	ug/Kg
003674-69-9	Phenanthrene, 4,5-dimethyl-	74.7	J		12.3	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	190	J		12.4	ug/Kg
	unknown12.404	150	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	170	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	120	J		13.0	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	140	J		13.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	110	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	960	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