

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-2.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
Sample Wt/Vol:	30.05 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
BF141462.D	1	01/29/25 08:40	02/05/25 21:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	380	U	210	380	ug/Kg
108-95-2	Phenol	190	U	94.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	95.4	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	95.2	190	ug/Kg
95-48-7	2-Methylphenol	190	U	91.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	99.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	90.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.2	U	45.9	91.2	ug/Kg
67-72-1	Hexachloroethane	190	U	94.6	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	96.4	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	97.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	86.0	190	ug/Kg
91-20-3	Naphthalene	190	U	94.1	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	94.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	94.9	190	ug/Kg
105-60-2	Caprolactam	380	U	98.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	88.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	94.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	81.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	84.3	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	99.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	94.9	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	93.1	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	98.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	94.8	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	190	U	92.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	380	U	130	380	ug/Kg
132-64-9	Dibenzofuran	190	U	96.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	98.2	190	ug/Kg
84-66-2	Diethylphthalate	190	U	91.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	97.6	190	ug/Kg
86-73-7	Fluorene	190	U	97.4	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	93.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	89.9	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	96.9	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	380	U	88.1	380	ug/Kg
85-01-8	Phenanthrene	850		95.7	190	ug/Kg
120-12-7	Anthracene	240		96.2	190	ug/Kg
86-74-8	Carbazole	190	U	91.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	96.1	190	ug/Kg
206-44-0	Fluoranthene	1800		93.1	190	ug/Kg
129-00-0	Pyrene	1000		94.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	790		92.0	190	ug/Kg
218-01-9	Chrysene	670		90.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	840		92.4	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	320		94.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	660		110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220		89.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	92.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230		91.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	98.9	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	130	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	85.1	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.4		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	72.0		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.9		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.2		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.8		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787
1146-65-2	Naphthalene-d8	262000	8.069
15067-26-2	Acenaphthene-d10	119000	9.828
1517-22-2	Phenanthrene-d10	175000	11.31
1719-03-5	Chrysene-d12	157000	13.957
1520-96-3	Perylene-d12	120000	15.41

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	380	J	10.5	ug/Kg
321732-25-6	Dehydrochamazulene	120	J	11.2	ug/Kg
000613-12-7	Anthracene, 2-methyl-	190	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	420	J	11.8	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	140	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	450	J	11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	180	J	12.1	ug/Kg

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003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J		12.4	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	100	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	130	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	110	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	79.4	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	110	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	420	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