

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-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.8
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
BF141520.D	1	01/30/25 09:15	02/07/25 20:47	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	U	220	400	ug/Kg
108-95-2	Phenol	200	U	100	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	100	200	ug/Kg
95-57-8	2-Chlorophenol	200	U	100	200	ug/Kg
95-48-7	2-Methylphenol	200	U	97.2	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	110	200	ug/Kg
98-86-2	Acetophenone	200	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	96.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.5	U	48.6	96.5	ug/Kg
67-72-1	Hexachloroethane	200	U	100	200	ug/Kg
98-95-3	Nitrobenzene	200	U	110	200	ug/Kg
78-59-1	Isophorone	200	U	100	200	ug/Kg
88-75-5	2-Nitrophenol	200	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	100	200	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	91.0	200	ug/Kg
91-20-3	Naphthalene	200	U	99.6	200	ug/Kg
106-47-8	4-Chloroaniline	200	U	99.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	100	200	ug/Kg
105-60-2	Caprolactam	400	U	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	93.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	99.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	86.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	89.2	200	ug/Kg
92-52-4	1,1-Biphenyl	200	U	110	200	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	100	200	ug/Kg
88-74-4	2-Nitroaniline	200	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	200	U	98.5	200	ug/Kg

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208-96-8	Acenaphthylene	200	U	100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	100	200	ug/Kg
99-09-2	3-Nitroaniline	200	U	110	200	ug/Kg
83-32-9	Acenaphthene	520		97.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	290	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	140	400	ug/Kg
132-64-9	Dibenzofuran	160	J	100	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	100	200	ug/Kg
84-66-2	Diethylphthalate	200	U	96.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	100	200	ug/Kg
86-73-7	Fluorene	360		100	200	ug/Kg
100-01-6	4-Nitroaniline	200	U	130	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	140	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	98.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	95.1	200	ug/Kg
118-74-1	Hexachlorobenzene	200	U	100	200	ug/Kg
1912-24-9	Atrazine	200	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	400	U	93.2	400	ug/Kg
85-01-8	Phenanthrene	6500	E	100	200	ug/Kg
120-12-7	Anthracene	2000		100	200	ug/Kg
86-74-8	Carbazole	200		96.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	100	200	ug/Kg
206-44-0	Fluoranthene	13500	E	98.5	200	ug/Kg
129-00-0	Pyrene	15500	E	100	200	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	120	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	UQ	120	400	ug/Kg
56-55-3	Benzo(a)anthracene	9700	E	97.3	200	ug/Kg
218-01-9	Chrysene	7400	E	95.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	9200	E	97.8	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	3600	E	99.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	8300	E	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4000	E	94.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		97.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4500	E	96.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	200	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	90.1	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.3		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	97.3		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.1		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.1		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	71000	6.792
1146-65-2	Naphthalene-d8	270000	8.075
15067-26-2	Acenaphthene-d10	131000	9.828
1517-22-2	Phenanthrene-d10	198000	11.316
1719-03-5	Chrysene-d12	118000	13.974
1520-96-3	Perylene-d12	102000	15.433

TENTATIVE IDENTIFIED COMPOUNDS

000581-40-8	Naphthalene, 2,3-dimethyl-	160	J	9.49	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	230	J	10.2	ug/Kg
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	270	J	10.4	ug/Kg
000119-61-9	Benzophenone	440	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	140	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	200	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	380	J	11.9	ug/Kg

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000612-94-2	Naphthalene, 2-phenyl-	110	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	130	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	190	J		13.0	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	270	J		13.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	240	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	130	J		13.6	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	130	J		13.7	ug/Kg
	unknown13.745	120	J		13.7	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	130	J		13.8	ug/Kg
000477-75-8	9,10[1,2]-Benzenoanthracene, 9,1	1200	J		14.8	ug/Kg
000192-97-2	Benzo[e]pyrene	2000	J		15.1	ug/Kg
000198-55-0	Perylene	7300	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