

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-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 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
BF141518.D	1	01/31/25 10:20	02/07/25 19:54	PB166418

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	210	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	210	U	100	210	ug/Kg
95-48-7	2-Methylphenol	210	U	98.0	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	110	210	ug/Kg
98-86-2	Acetophenone	210	UQ	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	97.1	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	97.3	U	49.0	97.3	ug/Kg
67-72-1	Hexachloroethane	210	U	100	210	ug/Kg
98-95-3	Nitrobenzene	210	U	110	210	ug/Kg
78-59-1	Isophorone	210	U	100	210	ug/Kg
88-75-5	2-Nitrophenol	210	U	110	210	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	100	210	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	91.8	210	ug/Kg
91-20-3	Naphthalene	380		100	210	ug/Kg
106-47-8	4-Chloroaniline	210	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	100	210	ug/Kg
105-60-2	Caprolactam	400	U	110	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	94.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	190	J	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	86.8	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	90.0	210	ug/Kg
92-52-4	1,1-Biphenyl	210	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	210	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	210	U	99.4	210	ug/Kg

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208-96-8	Acenaphthylene	130	J	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	210	U	110	210	ug/Kg
83-32-9	Acenaphthene	390		98.6	210	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	300	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	140	400	ug/Kg
132-64-9	Dibenzofuran	320		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	100	210	ug/Kg
84-66-2	Diethylphthalate	210	U	97.4	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	100	210	ug/Kg
86-73-7	Fluorene	520		100	210	ug/Kg
100-01-6	4-Nitroaniline	210	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	140	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	99.2	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	96.0	210	ug/Kg
118-74-1	Hexachlorobenzene	210	U	100	210	ug/Kg
1912-24-9	Atrazine	210	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	400	U	94.0	400	ug/Kg
85-01-8	Phenanthrene	4500	E	100	210	ug/Kg
120-12-7	Anthracene	1200		100	210	ug/Kg
86-74-8	Carbazole	390		97.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	100	210	ug/Kg
206-44-0	Fluoranthene	5400	E	99.4	210	ug/Kg
129-00-0	Pyrene	5500	E	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	120	400	ug/Kg
56-55-3	Benzo(a)anthracene	3400	E	98.2	210	ug/Kg
218-01-9	Chrysene	3000		96.7	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400	E	98.6	210	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1300		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2900		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		95.0	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	470		98.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		97.4	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	210	U	130	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	90.9	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.2		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	89.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.0		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.3		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.0		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	54.5		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	83000	6.792
1146-65-2	Naphthalene-d8	313000	8.075
15067-26-2	Acenaphthene-d10	155000	9.827
1517-22-2	Phenanthrene-d10	231000	11.316
1719-03-5	Chrysene-d12	145000	13.968
1520-96-3	Perylene-d12	116000	15.427

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	160	J	8.88	ug/Kg
000571-58-4	Naphthalene, 1,4-dimethyl-	130	J	9.41	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	170	J	9.49	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	94.1	J	9.60	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	120	J	10.2	ug/Kg
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	150	J	10.4	ug/Kg
000119-61-9	Benzophenone	320	J	10.5	ug/Kg

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000832-69-9	Phenanthrene, 1-methyl-	130	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	220	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	290	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	85.5	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	100	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		13.0	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	250	J		13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	96.5	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	150	J		13.2	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	92.8	J		13.7	ug/Kg
000192-97-2	Benzo[e]pyrene	490	J		15.1	ug/Kg
000198-55-0	Perylene	2200	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