

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
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
BF141390.D	1	01/31/25 10:20	02/04/25 00:49	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	200	370	ug/Kg
108-95-2	Phenol	190	U	92.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	93.7	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	93.5	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	UQ	97.3	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.3	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.5	U	45.1	89.5	ug/Kg
67-72-1	Hexachloroethane	190	U	92.9	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	94.7	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	84.5	190	ug/Kg
91-20-3	Naphthalene	110	J	92.4	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	92.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.2	190	ug/Kg
105-60-2	Caprolactam	370	U	97.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	86.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	92.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	79.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	82.8	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	97.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.2	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	91.4	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	96.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.1	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	99.8	190	ug/Kg
83-32-9	Acenaphthene	310		90.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	180	J	94.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	96.5	190	ug/Kg
84-66-2	Diethylphthalate	190	U	89.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	95.8	190	ug/Kg
86-73-7	Fluorene	300		95.7	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	91.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.3	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.1	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	86.5	370	ug/Kg
85-01-8	Phenanthrene	4400	E	94.0	190	ug/Kg
120-12-7	Anthracene	1100		94.5	190	ug/Kg
86-74-8	Carbazole	250		89.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	94.3	190	ug/Kg
206-44-0	Fluoranthene	8100	E	91.4	190	ug/Kg
129-00-0	Pyrene	6000	E	92.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	4300	E	90.3	190	ug/Kg
218-01-9	Chrysene	3800	E	89.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	5100	E	90.8	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	2100		92.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	4600	E	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		87.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	600		90.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2400		89.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.1	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	83.6	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	87.2		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	83.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.4		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.4		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.0		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	45.3		10 - 105	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	82600	6.793
1146-65-2	Naphthalene-d8	314000	8.075
15067-26-2	Acenaphthene-d10	148000	9.828
1517-22-2	Phenanthrene-d10	202000	11.316
1719-03-5	Chrysene-d12	155000	13.969
1520-96-3	Perylene-d12	127000	15.416

TENTATIVE IDENTIFIED COMPOUNDS

000581-40-8	Naphthalene, 2,3-dimethyl-	97.4	J	9.49	ug/Kg
001855-47-6	1-Isopropenylnaphthalene	130	J	10.4	ug/Kg
000119-61-9	Benzophenone	380	J	10.5	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	110	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	160	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	270	J	11.9	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	150	J	13.0	ug/Kg

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000243-17-4	11H-Benzo[b]fluorene	210	J		13.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	100	J		13.6	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	110	J		13.7	ug/Kg
	unknown13.739	110	J		13.7	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	130	J		13.8	ug/Kg
	unknown14.733	250	J		14.7	ug/Kg
007683-64-9	Supraene	420	J		14.8	ug/Kg
000192-97-2	Benzo[e]pyrene	870	J		15.1	ug/Kg
000198-55-0	Perylene	3400	J		15.3	ug/Kg
000215-58-7	Benzo[b]triphenylene	500	J		17.0	ug/Kg
000213-46-7	Picene	380	J		17.1	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	730	J		17.5	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