

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-42.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.2
Sample Wt/Vol:	30.09 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
BF141519.D	1	01/31/25 10:20	02/07/25 20:21	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	190	350	ug/Kg
108-95-2	Phenol	180	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	89.5	180	ug/Kg
95-57-8	2-Chlorophenol	180	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	180	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	97.2	180	ug/Kg
98-86-2	Acetophenone	180	UQ	93.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.6	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	180	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	180	U	97.1	180	ug/Kg
78-59-1	Isophorone	180	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	180	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	80.8	180	ug/Kg
91-20-3	Naphthalene	180	U	88.4	180	ug/Kg
106-47-8	4-Chloroaniline	180	U	88.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	89.1	180	ug/Kg
105-60-2	Caprolactam	350	U	92.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	88.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	180	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	180	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	180	U	87.4	180	ug/Kg

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208-96-8	Acenaphthylene	180	U	92.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	180	U	95.4	180	ug/Kg
83-32-9	Acenaphthene	180		86.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	350	U	120	350	ug/Kg
132-64-9	Dibenzofuran	100	J	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	180	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	91.6	180	ug/Kg
86-73-7	Fluorene	180		91.5	180	ug/Kg
100-01-6	4-Nitroaniline	180	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	U	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	180	U	90.9	180	ug/Kg
1912-24-9	Atrazine	180	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	350	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	2200		89.9	180	ug/Kg
120-12-7	Anthracene	730		90.3	180	ug/Kg
86-74-8	Carbazole	86.6	J	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	4400	E	87.4	180	ug/Kg
129-00-0	Pyrene	4600	E	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	2900	E	86.3	180	ug/Kg
218-01-9	Chrysene	2100		85.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	J	97.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200	E	86.8	180	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1300		88.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	3000	E	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		83.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	450		86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	92.9	180	ug/Kg
123-91-1	1,4-Dioxane	180	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	79.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	70.7		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	78.6		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.7		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	29.1		10 - 116	19%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		10 - 105	64%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70000	6.792
1146-65-2	Naphthalene-d8	264000	8.075
15067-26-2	Acenaphthene-d10	131000	9.827
1517-22-2	Phenanthrene-d10	202000	11.316
1719-03-5	Chrysene-d12	129000	13.963
1520-96-3	Perylene-d12	98600	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	AB	4.99	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	120	J	9.49	ug/Kg
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	78.8	J	10.4	ug/Kg
000119-61-9	Benzophenone	320	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	79.5	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	130	J	11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	250	J	11.9	ug/Kg

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000612-94-2	Naphthalene, 2-phenyl-	88.4	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	73.5	J		12.4	ug/Kg
	unknown12.404	76.0	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	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	98.4	J		13.2	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	130	J		13.2	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	78.8	J		13.7	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	77.7	J		14.1	ug/Kg
000192-97-2	Benzo[e]pyrene	520	J		15.1	ug/Kg
000198-55-0	Perylene	2100	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