

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-42.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.1
Sample Wt/Vol:	30.06 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
BF141527.D	2	01/31/25 10:20	02/07/25 23:53	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	750	U	410	750	ug/Kg
108-95-2	Phenol	390	U	190	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	190	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	190	390	ug/Kg
95-48-7	2-Methylphenol	390	U	180	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	210	390	ug/Kg
98-86-2	Acetophenone	390	UQ	200	390	ug/Kg
65794-96-9	3+4-Methylphenols	750	U	180	750	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	91.3	180	ug/Kg
67-72-1	Hexachloroethane	390	U	190	390	ug/Kg
98-95-3	Nitrobenzene	390	U	210	390	ug/Kg
78-59-1	Isophorone	390	U	190	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	210	390	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	210	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	190	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	170	390	ug/Kg
91-20-3	Naphthalene	390	U	190	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	190	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	190	390	ug/Kg
105-60-2	Caprolactam	750	U	200	750	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	180	390	ug/Kg
91-57-6	2-Methylnaphthalene	390	U	190	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	750	UQ	350	750	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	160	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	170	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	200	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	190	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	220	390	ug/Kg
131-11-3	Dimethylphthalate	390	U	190	390	ug/Kg

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208-96-8	Acenaphthylene	390	U	200	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	190	390	ug/Kg
99-09-2	3-Nitroaniline	390	U	200	390	ug/Kg
83-32-9	Acenaphthene	250	J	180	390	ug/Kg
51-28-5	2,4-Dinitrophenol	750	U	550	750	ug/Kg
100-02-7	4-Nitrophenol	750	U	260	750	ug/Kg
132-64-9	Dibenzofuran	390	U	190	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	200	390	ug/Kg
84-66-2	Diethylphthalate	390	U	180	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	190	390	ug/Kg
86-73-7	Fluorene	210	J	190	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	240	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	750	U	270	750	ug/Kg
86-30-6	n-Nitrosodiphenylamine	390	U	180	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	180	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	190	390	ug/Kg
1912-24-9	Atrazine	390	U	210	390	ug/Kg
87-86-5	Pentachlorophenol	750	U	180	750	ug/Kg
85-01-8	Phenanthrene	2100		190	390	ug/Kg
120-12-7	Anthracene	630		190	390	ug/Kg
86-74-8	Carbazole	390	U	180	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	190	390	ug/Kg
206-44-0	Fluoranthene	2700		190	390	ug/Kg
129-00-0	Pyrene	2900		190	390	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	220	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750	U	220	750	ug/Kg
56-55-3	Benzo(a)anthracene	1500		180	390	ug/Kg
218-01-9	Chrysene	1200		180	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	390	U	210	390	ug/Kg
117-84-0	Di-n-octyl phthalate	750	U	250	750	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		180	390	ug/Kg

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207-08-9	Benzo(k)fluoranthene	800		190	390	ug/Kg
50-32-8	Benzo(a)pyrene	1400		210	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590		180	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	J	180	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	720		180	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	200	390	ug/Kg
123-91-1	1,4-Dioxane	390	U	250	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	170	390	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	33.3		18 - 112	22%	SPK: 150
13127-88-3	Phenol-d6	87.4		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.2		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	14.0	*	10 - 116	9%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		10 - 105	79%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	81100	6.793
1146-65-2	Naphthalene-d8	300000	8.075
15067-26-2	Acenaphthene-d10	147000	9.828
1517-22-2	Phenanthrene-d10	226000	11.316
1719-03-5	Chrysene-d12	133000	13.963
1520-96-3	Perylene-d12	108000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	AB	4.98	ug/Kg
000629-50-5	Tridecane	250	J	8.66	ug/Kg
000629-59-4	Tetradecane	250	J	9.23	ug/Kg
000112-40-3	Dodecane	220	J	10.3	ug/Kg
000119-61-9	Benzophenone	350	J	10.5	ug/Kg
000112-95-8	Eicosane	350	J	10.7	ug/Kg
001120-21-4	Undecane	260	J	11.2	ug/Kg

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000132-65-0	Dibenzothiophene	230	J		11.2	ug/Kg
006628-98-4	Pyrene, 4,5-dihydro-	160	J		11.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	310	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	380	J		11.8	ug/Kg
000613-12-7	Anthracene, 2-methyl-	180	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	810	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	250	J		12.1	ug/Kg
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	260	J		12.2	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	380	J		12.3	ug/Kg
	unknown12.410	220	J		12.4	ug/Kg
000483-65-8	Retene	800	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	200	J		13.1	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