

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-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.02 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
BF141529.D	2	01/31/25 10:20	02/08/25 00:47	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	720	U	400	720	ug/Kg
108-95-2	Phenol	370	U	180	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	370	U	180	370	ug/Kg
95-57-8	2-Chlorophenol	370	U	180	370	ug/Kg
95-48-7	2-Methylphenol	370	U	180	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	200	370	ug/Kg
98-86-2	Acetophenone	370	UQ	190	370	ug/Kg
65794-96-9	3+4-Methylphenols	720	U	170	720	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	87.7	170	ug/Kg
67-72-1	Hexachloroethane	370	U	180	370	ug/Kg
98-95-3	Nitrobenzene	370	U	200	370	ug/Kg
78-59-1	Isophorone	370	U	180	370	ug/Kg
88-75-5	2-Nitrophenol	370	U	210	370	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	200	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	190	370	ug/Kg
120-83-2	2,4-Dichlorophenol	370	U	160	370	ug/Kg
91-20-3	Naphthalene	230	J	180	370	ug/Kg
106-47-8	4-Chloroaniline	370	U	180	370	ug/Kg
87-68-3	Hexachlorobutadiene	370	U	180	370	ug/Kg
105-60-2	Caprolactam	720	U	190	720	ug/Kg
59-50-7	4-Chloro-3-methylphenol	370	U	170	370	ug/Kg
91-57-6	2-Methylnaphthalene	370	U	180	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	720	UQ	340	720	ug/Kg
88-06-2	2,4,6-Trichlorophenol	370	U	160	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	370	U	160	370	ug/Kg
92-52-4	1,1-Biphenyl	370	U	190	370	ug/Kg
91-58-7	2-Chloronaphthalene	370	U	180	370	ug/Kg
88-74-4	2-Nitroaniline	370	U	210	370	ug/Kg
131-11-3	Dimethylphthalate	370	U	180	370	ug/Kg

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208-96-8	Acenaphthylene	370	U	190	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	370	U	180	370	ug/Kg
99-09-2	3-Nitroaniline	370	U	190	370	ug/Kg
83-32-9	Acenaphthene	370	U	180	370	ug/Kg
51-28-5	2,4-Dinitrophenol	720	U	530	720	ug/Kg
100-02-7	4-Nitrophenol	720	U	250	720	ug/Kg
132-64-9	Dibenzofuran	370	U	180	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	370	U	190	370	ug/Kg
84-66-2	Diethylphthalate	370	U	170	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	370	U	190	370	ug/Kg
86-73-7	Fluorene	370	U	190	370	ug/Kg
100-01-6	4-Nitroaniline	370	U	230	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720	U	250	720	ug/Kg
86-30-6	n-Nitrosodiphenylamine	370	U	180	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	370	U	170	370	ug/Kg
118-74-1	Hexachlorobenzene	370	U	190	370	ug/Kg
1912-24-9	Atrazine	370	U	200	370	ug/Kg
87-86-5	Pentachlorophenol	720	U	170	720	ug/Kg
85-01-8	Phenanthrene	800		180	370	ug/Kg
120-12-7	Anthracene	220	J	180	370	ug/Kg
86-74-8	Carbazole	370	U	170	370	ug/Kg
84-74-2	Di-n-butylphthalate	370	U	180	370	ug/Kg
206-44-0	Fluoranthene	760		180	370	ug/Kg
129-00-0	Pyrene	850		180	370	ug/Kg
85-68-7	Butylbenzylphthalate	370	U	210	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	210	720	ug/Kg
56-55-3	Benzo(a)anthracene	440		180	370	ug/Kg
218-01-9	Chrysene	400		170	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	200	370	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	240	720	ug/Kg
205-99-2	Benzo(b)fluoranthene	450		180	370	ug/Kg

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207-08-9	Benzo(k)fluoranthene	190	J	180	370	ug/Kg
50-32-8	Benzo(a)pyrene	410		200	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	170	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	370	U	180	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	J	170	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	190	370	ug/Kg
123-91-1	1,4-Dioxane	370	U	240	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	370	U	160	370	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	19.7	*	18 - 112	13%	SPK: 150
13127-88-3	Phenol-d6	79.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	5.00	*	10 - 116	3%	SPK: 150
1718-51-0	Terphenyl-d14	76.3		10 - 105	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	74000	6.792
1146-65-2	Naphthalene-d8	282000	8.075
15067-26-2	Acenaphthene-d10	139000	9.828
1517-22-2	Phenanthrene-d10	214000	11.316
1719-03-5	Chrysene-d12	125000	13.963
1520-96-3	Perylene-d12	97400	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	810	AB	4.98	ug/Kg
013287-21-3	Tridecane, 6-methyl-	260	J	9.23	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	160	J	9.49	ug/Kg
000629-92-5	Nonadecane	220	J	9.54	ug/Kg
000629-62-9	Pentadecane	240	J	9.76	ug/Kg
000544-76-3	Hexadecane	290	J	10.3	ug/Kg
000119-61-9	Benzophenone	270	J	10.5	ug/Kg

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000629-50-5	Tridecane	430	J		10.7	ug/Kg
007045-71-8	Undecane, 2-methyl-	240	J		11.2	ug/Kg
000132-65-0	Dibenzothiophene	180	J		11.2	ug/Kg
007225-66-3	Tridecane, 7-hexyl-	150	J		11.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	170	J		11.8	ug/Kg
018791-75-8	4-Bromothiophene-2-aldehyde	310	J		11.9	ug/Kg
000629-59-4	Tetradecane	160	J		12.0	ug/Kg
010030-73-6	(E)-Hexadec-9-enoic acid	480	J		12.4	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