

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-4.5-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.6
Sample Wt/Vol:	30.03 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
BF141463.D	1	01/29/25 08:40	02/05/25 22:23	PB166335

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	98.7	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	110	210	ug/Kg
98-86-2	Acetophenone	210	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	97.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	97.9	U	49.3	97.9	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	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	92.4	210	ug/Kg
91-20-3	Naphthalene	210	U	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	94.9	210	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	87.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	90.6	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	100	210	ug/Kg

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208-96-8	Acenaphthylene	210	U	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	110	J	99.3	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	210	U	100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	110	210	ug/Kg
84-66-2	Diethylphthalate	210	U	98.1	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	100	210	ug/Kg
86-73-7	Fluorene	110	J	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	99.9	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	96.6	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	94.6	400	ug/Kg
85-01-8	Phenanthrene	1000		100	210	ug/Kg
120-12-7	Anthracene	350		100	210	ug/Kg
86-74-8	Carbazole	210	U	98.3	210	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	100	210	ug/Kg
206-44-0	Fluoranthene	1600		100	210	ug/Kg
129-00-0	Pyrene	990		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	600		98.8	210	ug/Kg
218-01-9	Chrysene	500		97.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	640		99.3	210	ug/Kg

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207-08-9	Benzo(k)fluoranthene	330		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	580		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		95.6	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	99.4	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		98.1	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	91.5	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	66.7		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	60.8		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.7		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.5		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.1		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	41.0		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	64300	6.787
1146-65-2	Naphthalene-d8	225000	8.069
15067-26-2	Acenaphthene-d10	102000	9.828
1517-22-2	Phenanthrene-d10	169000	11.316
1719-03-5	Chrysene-d12	143000	13.963
1520-96-3	Perylene-d12	104000	15.421

TENTATIVE IDENTIFIED COMPOUNDS

001120-72-5	Cyclopentanone, 2-methyl-	430	J	5.66	ug/Kg
	unknown6.857	180	J	6.86	ug/Kg
000629-50-5	Tridecane	210	J	8.66	ug/Kg
000629-59-4	Tetradecane	300	J	9.23	ug/Kg
007659-86-1	2-Ethylhexyl mercaptoacetate	330	J	9.42	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	200	J	9.54	ug/Kg
000544-76-3	Hexadecane	270	J	9.76	ug/Kg

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000629-92-5	Nonadecane	310	J		10.3	ug/Kg
000112-95-8	Eicosane	210	J		10.5	ug/Kg
000119-61-9	Benzophenone	300	J		10.5	ug/Kg
006418-43-5	Hexadecane, 3-methyl-	770	J		10.7	ug/Kg
004292-19-7	Dodecane, 1-iodo-	230	J		11.2	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	300	J		11.2	ug/Kg
000629-78-7	Heptadecane	170	J		11.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	460	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	580	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	320	J		12.1	ug/Kg
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	370	J		12.2	ug/Kg
301643-35-6	Naphthalene, 6-ethyl-1,2,3,4-tetra	2300	J		12.3	ug/Kg
000483-65-8	Retene	2000	J		13.0	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