

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-5.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.9
Sample Wt/Vol:	30.01 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
BF141464.D	1	01/29/25 08:40	02/05/25 22:49	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	360	U	200	360	ug/Kg
108-95-2	Phenol	190	U	91.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	92.0	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	91.8	190	ug/Kg
95-48-7	2-Methylphenol	190	U	88.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	95.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	87.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.0	U	44.3	88.0	ug/Kg
67-72-1	Hexachloroethane	190	U	91.3	190	ug/Kg
98-95-3	Nitrobenzene	190	U	99.9	190	ug/Kg
78-59-1	Isophorone	190	U	93.0	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	94.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	83.0	190	ug/Kg
91-20-3	Naphthalene	190	U	90.8	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	90.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	91.6	190	ug/Kg
105-60-2	Caprolactam	360	U	95.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	85.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	90.7	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	360	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	78.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	81.4	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	96.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	91.6	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	89.8	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	95.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	91.5	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	98.1	190	ug/Kg
83-32-9	Acenaphthene	190	U	89.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	270	360	ug/Kg
100-02-7	4-Nitrophenol	360	U	130	360	ug/Kg
132-64-9	Dibenzofuran	190	U	92.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	94.8	190	ug/Kg
84-66-2	Diethylphthalate	190	U	88.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	94.1	190	ug/Kg
86-73-7	Fluorene	190	U	94.0	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	89.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	86.8	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	93.5	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	360	U	85.0	360	ug/Kg
85-01-8	Phenanthrene	720		92.4	190	ug/Kg
120-12-7	Anthracene	230		92.8	190	ug/Kg
86-74-8	Carbazole	190	U	88.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	92.7	190	ug/Kg
206-44-0	Fluoranthene	1100		89.8	190	ug/Kg
129-00-0	Pyrene	770		91.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	U	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	460		88.7	190	ug/Kg
218-01-9	Chrysene	360		87.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	510		89.2	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	230		90.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	470		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220		85.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	89.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	240		88.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	95.5	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	82.2	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	58.8		18 - 112	39%	SPK: 150
13127-88-3	Phenol-d6	58.6		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.7		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	40.0		10 - 105	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	59000	6.792
1146-65-2	Naphthalene-d8	209000	8.069
15067-26-2	Acenaphthene-d10	95100	9.828
1517-22-2	Phenanthrene-d10	162000	11.316
1719-03-5	Chrysene-d12	126000	13.957
1520-96-3	Perylene-d12	93400	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000544-76-3	Hexadecane	130	J	9.23	ug/Kg
000629-78-7	Heptadecane	130	J	9.76	ug/Kg
1000487-41-5	2,6-Bis(chloromethyl)-4-methylphen	75.5	J	10.0	ug/Kg
000629-59-4	Tetradecane	140	J	10.3	ug/Kg
000119-61-9	Benzophenone	260	J	10.5	ug/Kg
000629-50-5	Tridecane	180	J	10.7	ug/Kg
000630-02-4	Octacosane	130	J	11.2	ug/Kg

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000132-65-0	Dibenzothiophene	86.9	J		11.2	ug/Kg
	unknown11.610	87.6	J		11.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	82.5	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	170	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	250	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	120	J		12.3	ug/Kg
	unknown12.410	120	J		12.4	ug/Kg
000483-65-8	Retene	200	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