

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 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
BF141572.D	1	01/30/25 09:15	02/11/25 19:45	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	200	370	ug/Kg
108-95-2	Phenol	190	U	93.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.1	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	93.9	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	97.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.9	U	45.3	89.9	ug/Kg
67-72-1	Hexachloroethane	190	U	93.3	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.1	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	84.9	190	ug/Kg
91-20-3	Naphthalene	190	U	92.9	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	92.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.7	190	ug/Kg
105-60-2	Caprolactam	370	U	97.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	92.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.2	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.7	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	91.9	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	97.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.5	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	110	J	91.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	190	U	94.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	96.9	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.2	190	ug/Kg
86-73-7	Fluorene	190	U	96.1	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	91.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.7	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.6	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	86.9	370	ug/Kg
85-01-8	Phenanthrene	1100		94.4	190	ug/Kg
120-12-7	Anthracene	260		94.9	190	ug/Kg
86-74-8	Carbazole	190	U	90.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	94.8	190	ug/Kg
206-44-0	Fluoranthene	2100		91.9	190	ug/Kg
129-00-0	Pyrene	1700		93.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1200		90.7	190	ug/Kg
218-01-9	Chrysene	1000		89.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		91.2	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	530		92.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1300		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	550		87.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	J	91.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	620		90.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.6	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	84.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	112		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	110		15 - 107	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		20 - 109	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		10 - 116	66%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		10 - 105	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70200	6.787
1146-65-2	Naphthalene-d8	274000	8.069
15067-26-2	Acenaphthene-d10	136000	9.822
1517-22-2	Phenanthrene-d10	200000	11.304
1719-03-5	Chrysene-d12	172000	13.951
1520-96-3	Perylene-d12	170000	15.398

TENTATIVE IDENTIFIED COMPOUNDS

000629-92-5	Nonadecane	120	J	10.3	ug/Kg
006975-98-0	Decane, 2-methyl-	98.6	J	10.5	ug/Kg
000119-61-9	Benzophenone	300	J	10.5	ug/Kg
000629-50-5	Tridecane	230	J	10.7	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	210	J	11.2	ug/Kg
000132-65-0	Dibenzothiophene	130	J	11.2	ug/Kg
001560-97-0	Dodecane, 2-methyl-	150	J	11.6	ug/Kg

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000613-12-7	Anthracene, 2-methyl-	150	J		11.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	530	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	100	J		11.9	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	440	J		11.9	ug/Kg
000629-62-9	Pentadecane	130	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	120	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J		12.4	ug/Kg
	unknown12.398	150	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	120	J		12.4	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	110	J		13.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	96.7	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	200	J		15.1	ug/Kg
000198-55-0	Perylene	930	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