

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
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
BF141521.D	1	01/31/25 10:20	02/07/25 21:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	210	370	ug/Kg
108-95-2	Phenol	190	U	93.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.3	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	94.1	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	UQ	97.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.9	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.2	U	45.4	90.2	ug/Kg
67-72-1	Hexachloroethane	190	U	93.5	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.3	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	85.1	190	ug/Kg
91-20-3	Naphthalene	110	J	93.1	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	93.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.9	190	ug/Kg
105-60-2	Caprolactam	370	U	97.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	93.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.4	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.9	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	92.1	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	97.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.8	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	210		91.4	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	110	J	95.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	97.1	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.5	190	ug/Kg
86-73-7	Fluorene	160	J	96.4	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	92.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.9	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.8	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	87.1	370	ug/Kg
85-01-8	Phenanthrene	1200		94.7	190	ug/Kg
120-12-7	Anthracene	350		95.1	190	ug/Kg
86-74-8	Carbazole	190	U	90.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	95.0	190	ug/Kg
206-44-0	Fluoranthene	1800		92.1	190	ug/Kg
129-00-0	Pyrene	1800		93.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	940		91.0	190	ug/Kg
218-01-9	Chrysene	830		89.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		91.4	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	430		93.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	950		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	450		88.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	J	91.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510		90.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.8	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	84.2	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	17.5	*	18 - 112	12%	SPK: 150
13127-88-3	Phenol-d6	74.0		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.2		18 - 107	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	5.35	*	10 - 116	4%	SPK: 150
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	79800	6.792
1146-65-2	Naphthalene-d8	308000	8.075
15067-26-2	Acenaphthene-d10	141000	9.828
1517-22-2	Phenanthrene-d10	218000	11.316
1719-03-5	Chrysene-d12	140000	13.963
1520-96-3	Perylene-d12	107000	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	500	AB	4.99	ug/Kg
000629-50-5	Tridecane	210	J	8.66	ug/Kg
000629-59-4	Tetradecane	370	J	9.23	ug/Kg
003386-33-2	Octadecane, 1-chloro-	220	J	9.54	ug/Kg
000544-76-3	Hexadecane	300	J	9.76	ug/Kg
000629-92-5	Nonadecane	380	J	10.3	ug/Kg
062108-26-3	Decane, 2,6,8-trimethyl-	200	J	10.5	ug/Kg

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000119-61-9	Benzophenone	240	J		10.5	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	700	J		10.7	ug/Kg
000593-45-3	Octadecane	350	J		11.2	ug/Kg
000268-77-9	Naphtho[2,3-b]thiophene	270	J		11.2	ug/Kg
002050-77-3	Decane, 1-iodo-	250	J		11.6	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	360	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	480	J		11.9	ug/Kg
000629-62-9	Pentadecane	210	J		12.0	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	180	J		12.1	ug/Kg
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	190	J		12.2	ug/Kg
038754-94-8	s-Indacen-1(2H)-one, 3,5,6,7-tetra	1200	J		12.3	ug/Kg
000629-94-7	Heneicosane	250	J		12.4	ug/Kg
000483-65-8	Retene	610	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