284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MSD	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.06 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
BF141316.D	1	01/29/25 08:40	01/30/25 16:30	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		120	220	ug/Kg
108-95-2	Phenol	900		56.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	880		56.7	120	ug/Kg
95-57-8	2-Chlorophenol	920		56.6	120	ug/Kg
95-48-7	2-Methylphenol	900		54.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		61.6	120	ug/Kg
98-86-2	Acetophenone	960		58.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	850		54.1	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880		27.3	54.2	ug/Kg
67-72-1	Hexachloroethane	870		56.3	120	ug/Kg
98-95-3	Nitrobenzene	840		61.6	120	ug/Kg
78-59-1	Isophorone	910		57.4	120	ug/Kg
88-75-5	2-Nitrophenol	920		64.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		63.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	890		58.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	890		51.2	120	ug/Kg
91-20-3	Naphthalene	840		56.0	120	ug/Kg
106-47-8	4-Chloroaniline	320		56.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	830		56.5	120	ug/Kg
105-60-2	Caprolactam	970		58.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		52.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	840		55.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	960		48.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	850		50.2	120	ug/Kg
92-52-4	1,1-Biphenyl	960		59.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	850		56.5	120	ug/Kg
88-74-4	2-Nitroaniline	940		64.4	120	ug/Kg
131-11-3	Dimethylphthalate	890		55.4	120	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		58.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	860		56.4	120	ug/Kg
99-09-2	3-Nitroaniline	410		60.5	120	ug/Kg
83-32-9	Acenaphthene	980		55.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	78.6	220	ug/Kg
132-64-9	Dibenzofuran	870		57.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	890		58.4	120	ug/Kg
84-66-2	Diethylphthalate	880		54.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	850		58.0	120	ug/Kg
86-73-7	Fluorene	860		58.0	120	ug/Kg
100-01-6	4-Nitroaniline	910		72.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		79.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	920		55.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	910		53.5	120	ug/Kg
118-74-1	Hexachlorobenzene	880		57.6	120	ug/Kg
1912-24-9	Atrazine	1000		62.0	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	52.4	220	ug/Kg
85-01-8	Phenanthrene	910		56.9	120	ug/Kg
120-12-7	Anthracene	940		57.2	120	ug/Kg
86-74-8	Carbazole	930		54.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	930		57.1	120	ug/Kg
206-44-0	Fluoranthene	910		55.4	120	ug/Kg
129-00-0	Pyrene	900		56.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		65.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	700		66.8	220	ug/Kg
56-55-3	Benzo(a)anthracene	890		54.7	120	ug/Kg
218-01-9	Chrysene	890		53.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		61.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	950		74.6	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	950		55.0	120	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	850		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	980		63.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		55.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	960		54.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		58.8	120	ug/Kg
123-91-1	1,4-Dioxane	870		74.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		50.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.7		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	90.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.4		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	66.2		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167000	6.798			
1146-65-2	Naphthalene-d8	670000	8.081			
15067-26-2	Acenaphthene-d10	356000	9.839			
1517-22-2	Phenanthrene-d10	589000	11.328			
1719-03-5	Chrysene-d12	326000	13.974			
1520-96-3	Perylene-d12	311000	15.457			

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