

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO  
PRIORITY POLLUTANTS  
MONTHLY REPORTING FORM

RD-202

INSTRUCTIONS

The analysis and reporting of priority pollutants as required by the Metropolitan Water Reclamation District of Greater Chicago (District) shall be conducted in accordance with the following requirements:

I. Analytical Methodology

United States Environmental Protection Agency (USEPA) methodologies are to be employed. These methodologies are published in the Federal Register, Volume 49, October 1984.

- A. Volatile Organics (or purgeables) -  
USEPA Methodology 624 for analysis by purge and trap with Gas Chromatography / Mass Spectrometer (GC/MS).
- B. Semivolatiles (or acid/base/neutral extractables) -  
USEPA Methodology 625 for analysis by GC/MS.
- C. Pesticides and PCBs -  
USEPA Methodology 608 for analysis by GC with electron capture detector.
- D. Inorganics -  
40 CFR Part 136, Volume 49, No. 209, October 1989.

All analysis of pesticides and PCBs must achieve the Method Detection Limits (MDL) specified by the District. Analysis for volatile organics and semivolatile organics must achieve the Quantitation Limits (QL) specified by the District. A copy of the MDL and QL can be obtained by contacting the District at (312) 751-3044. Analysis for inorganics must achieve the Contract Required Detection Limits (CRDL) specified in Item I.D. above.

II. Mandatory Reporting Requirements

- A. Representative grab samples shall be collected on a monthly basis from each sanitary sewer discharge. A composite of four grabs is required.
- B. Samples specified in Item A shall be submitted to an independent laboratory for priority pollutant analysis. All 124 compounds listed on this monthly reporting form must be analyzed and reported on this form (one form for each discharge).
- C. Monthly reporting forms shall be submitted to the District no later than the 20th day of the following month.

III. Reporting Instances Where MDL or QL are Not Attainable

In some instances, the samples may contain high levels of the compound under analysis or interfering compounds which may overload the GC column, detector and/or mass spectrometer and a dilution may be required. In such instances, the information on the following page must be supplied, in addition to the monthly reporting form.

INSTRUCTIONS (Continued)

III. Reporting Instances Where MDL or QL are Not Attainable(Continued)

- A. The reason for the dilution and the degree of dilution. Explanation forms for high MDL's or QL's supplied by the District must be used by the analytical laboratory. This explanation form must be signed by the analytical chemist of the contract laboratory.
- B. For volatile and semivolatile compounds, the following must be provided:
1. Total ion chromatogram of the sample.
  2. Mass spectrum background, corrected.
  3. Mass spectrum background, unaltered.
  4. Reference standard spectrum.
  5. Ion profile of the two major peaks.
- C. For pesticides and PCBs, the following must be provided:
1. Chromatogram of sample.
  2. Chromatogram of reference standard.

Company Name:	For Office Use Only
Address:	
City, State:	Zip: <input style="width: 100px;" type="text"/>
Telephone:	
Reporting Period:	Sampling Point: Sampling Date:
Month                      Year	

No.	CAS No.	Purgeables	Analytical Results ug/L (1)	QL Attained ug/L (2)
1	74-87-3	Chloromethane		
2	74-83-9	Bromomethane		
3	75-01-4	Vinyl Chloride		
4	75-00-3	Chloroethane		
5	75-09-2	Methylene Chloride		
6	107-02-8	Acrolein		
7	107-13-1	Acrylonitrile		
8	75-35-4	1,1-Dichloroethene		
9	75-34-3	1,1-Dichloroethane		
10	156-60-5	trans-1,2-Dichloroethene		
11	67-66-3	Chloroform		
12	107-06-2	1,2-Dichloroethane		
13	71-55-6	1,1,1-Trichloroethane		
14	56-23-5	Carbon Tetrachloride		
15	75-27-4	Bromodichloromethane		
16	78-87-5	1,2-Dichloropropane		
17	542-75-6	1,3-Dichloropropene		
18	79-01-6	Trichloroethene		
19	124-48-1	Dibromochloromethane		
20	79-00-5	1,1,2-Trichloroethane		
21	71-43-2	Benzene		
22	110-75-8	2-Chloroethylvinyl-Ether		
23	75-25-2	Bromoform		
24	127-18-4	Tetrachloroethene		
25	79-34-5	1,1,2,2-Tetrachloroethane		
26	108-88-3	Toluene		
27	108-90-7	Chlorobenzene		
28	100-41-4	Ethylbenzene		
29		*		
30		*		
31		*		
32		*		
33		*		

\* Include the 5 highest compounds not listed above.

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No.	CAS No.	Base/Neutral/Acid Extractables	Analytical Results ug/L (1)	QL Attained ug/L (2)
34	62-75-9	N-Nitrosodimethylamine		
35	108-95-2	Phenol		
36	111-44-4	bis(2-Chloroethyl)ether		
37	95-57-8	2-Chlorophenol		
38	541-73-1	1,3-Dichlorobenzene		
39	106-46-7	1,4-Dichlorobenzene		
40	95-50-1	1,2-Dichlorobenzene		
41	108-60-1	bis(2-Chloroisopropyl)ether		
42	621-64-7	N-Nitroso-di-n-propylamine		
43	67-72-1	Hexachloroethane		
44	98-95-3	Nitrobenzene		
45	78-59-1	Isophorone		
46	88-75-5	2-Nitrophenol		
47	105-67-9	2,4-Dimethylphenol		
48	111-91-1	bis(2-Chloroethoxy)methane		
49	120-83-2	2,4-Dichlorophenol		
50	120-82-1	1,2,4-Trichlorobenzene		
51	91-20-3	Naphthalene		
52	87-68-3	Hexachlorobutadiene		
53	59-50-7	4-Chloro-3-Methylphenol		
54	77-47-4	Hexachlorocyclopentadiene		
55	88-06-2	2,4,6-Trichlorophenol		
56	91-58-7	2-Chloronaphthalene		
57	131-11-3	Dimethyl phthalate		
58	208-96-8	Acenaphthylene		
59	606-20-2	2,6-Dinitrotoluene		
60	83-32-9	Acenaphthene		
61	51-28-5	2,4-Dinitrophenol		
62	100-02-7	4-Nitrophenol		
63	121-14-2	2,4-Dinitrotoluene		
64	84-66-2	Diethyl phthalate		
65	7005-72-3	4-Chlorophenyl phenyl ether		
66	86-73-7	Fluorene		
67	534-52-1	4,6-Dinitro-o-cresol		
68	86-30-6	N-Nitrosodiphenylamine		
69	122-66-7	1,2-Diphenylhydrazine		
70	101-55-3	4-Bromophenyl phenyl ether		
71	118-74-1	Hexachlorobenzene		
72	87-86-5	Pentachlorophenol		
73	85-01-8	Phenanthrene		
74	120-12-7	Anthracene		
75	84-74-2	Di-n-butyl phthalate		
76	206-44-0	Fluoranthene		
77	92-87-5	Benzidine		
78	129-00-0	Pyrene		
79	85-68-7	Butyl benzyl phthalate		
80	91-94-1	3,3-Dichlorobenzidine		
81	56-55-3	Benzo(a)anthracene		
82	218-01-9	Chrysene		
83	117-81-7	bis(2-Ethylhexyl)phthalate		
84	117-84-0	Di-n-octylphthalate		
85	205-99-2	Benzo(b)fluoranthene		
86	207-08-9	Benzo(k)fluoranthene		
87	50-32-8	Benzo(a)pyrene		
88	193-39-5	Indeno(1,2,3-c,d)pyrene		
89	53-70-3	Dibenzo(a,h)anthracene		
90	191-24-2	Benzo(ghi)perylene		
91		*		
92		*		
93		*		
94		*		
95		*		

\* Include the 5 highest compounds not listed above.

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No.	CAS No.	Pesticides and PCBs	Analytical Results ug/L (1)	MDL Attained ug/L (2)**
96	319-84-6	Alpha-BHC		
97	319-85-7	Beta-BHC		
98	319-86-8	Gamma-BHC (Lindane)		
99	58-89-9	Delta-BHC		
100	76-44-8	Heptachlor		
101	309-00-2	Aldrin		
102	1024-57-3	Heptachlor epoxide		
103	959-98-8	Endosulfan I		
104	60-57-1	Dieldrin		
105	72-55-9	4,4'-DDE		
106	72-20-8	Endrin		
107	33213-65-9	Endosulfan II		
108	7421-93-4	Endrin aldehyde		
109	72-54-8	4,4'-DDD		
110	1031-07-8	Endosulfan sulfate		
111	50-29-3	4,4'-DDT		
112	57-74-9	Chlordane		
113	8001-35-2	Toxaphene		
114	53469-21-9	Aroclor-1242		
115	11097-69-1	Aroclor-1254		
116	11104-28-2	Aroclor-1221		
117	11141-16-5	Aroclor-1232		
118	12672-29-6	Aroclor-1248		
119	11096-82-5	Aroclor-1260		
120	12674-11-2	Aroclor-1016		
121		-		
122		-		
123		-		
124		-		
125		-		
No.		Inorganics	Analytical Results ug/L (1)	
126		Antimony		
127		Arsenic		
128		Beryllium		
129		Cadmium		
130		Chromium		
131		Copper		
132		Cyanide		
133		Lead		
134		Mercury		
135		Nickel		
136		Selenium		
137		Silver		
138		Thallium		
139		Zinc		

- (1) Enter the analytical results for each of the above listed compounds or "ND" if the compound was not detected or below the QL or MDL reported by your consulting laboratory. Submit the certified laboratory report with this form.
- (2) Enter the QL or MDL attained by your consulting laboratory. All cases in which the QL or MDL reported by your consulting laboratory exceeded the prescribed QL or MDL must be documented, as indicated in the instructions on this form.

Company Representative: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Mail forms to: Metropolitan Water Reclamation District  
 of Greater Chicago  
 Enforcement Section  
 P. O. Box 10654  
 Chicago, Illinois 60610