114337

Volatile Data

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: CN092507B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	0.6	JB
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: CN092508B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	0.6	JB
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: CR092509B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	1	J
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: CR092514B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	6	
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	0.7	J
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: CN092516B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: CN092517B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26-TB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792518 Date Received: 03/21/96

Lab File ID: CN092518B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: CN092519B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	0.8	JB
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: CN092520B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: CN092521B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	1	J
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: CN092522B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	0.7	J
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	0.9	J
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (Total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
75-43-4	Dichlorofluoromethane	5	U

Semivolatile Data

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: GH092507A60.D Date Extracted: 03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: GH092507A60.D Date Extracted: 03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenyl ether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: GH092507A60.D Date Extracted:03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: GH092508A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: GH092508A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	0.8	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: GH092508A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: G2J92509B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: G2J92509B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: G2J92509B60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: GH092514A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachl robutadiene	5	U
59-50-7	4-Chlor . 3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: GH092514A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.8	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: GH092514A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: GH092516A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: GH092516A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: GH092516A60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: GJ092517B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: GJ092517B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	0.6	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: GJ092517B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: GH092519A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: GH092519A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	3	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: GH092519A60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: GH092520A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: GH092520A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: GH092520A60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

FORM I LCSV-3 10/92

AR319758

326

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: GJ092521B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: GJ092521B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: GJ092521B60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: GH092522A60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2	Phenol	5	U
111-44-4	bis(2-Chloroethyl)ether	5	U
95-57-8	2-Chlorophenol	5	U
95-48-7	2-Methylphenol	5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5	U
106-44-5	4-Methylphenol	5	U
621-64-7	N-Nitroso-di-n-propylamine	5	U
67-72-1	Hexachloroethane	5	U
98-95-3	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxy)methane	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	5	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: GH092522A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	0.8	J
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.8	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: GH092522A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:____

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
65-85-0	Benzoic Acid	25	U

FORM I LCSV-3 10/92

AR319764 350

Pesticide/PCB Data

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.0062	JP
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.0010	JP
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.0016	JP
5103-71-9	alpha-Chlordane	0.012	P
5103-74-2	gamma-Chlordane	0.015	
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.0049	J
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.00064	JP
7421-93-4	Endrin aldehyde	0.0014	JP
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.0020	JP
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.00060	J
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.0022	JP
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW26FB

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.0020	J
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.0013	JP
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.00038	JP
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 6.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)REVS

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Sample Volume: 1000 (mL) Date Extracted: 03/26/96

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/30/96

Injection Volume: 2.0 (uL) Dilution Factor: 1

Sulfur Cleanup: (Y/N) N pH: 7.0

CAS No.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.00068	J
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.00072	JP
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.00077	JP
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

Appendix D

Reviewed Tentatively Identified Compounds

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-02

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790603 Date Received: 03/14/96

Lab File ID: CN090603C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-02-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790623 Date Received: 03/14/96

Lab File ID: CR090623A52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-02-TB

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790624 Date Received: 03/14/96

Lab File ID: CR090624A52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-03

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790608 Date Received: 03/14/96

Lab File ID: CN090608C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-04

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790613 Date Received: 03/14/96

Lab File ID: CN090613C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-11

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790614 Date Received: 03/14/96

Lab File ID: CN090614C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-12

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790615 Date Received: 03/14/96

Lab File ID: CN090615C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-13

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790616 Date Received: 03/14/96

Lab File ID: CN090616C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-14

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790617 Date Received: 03/14/96

Lab File ID: CN090617C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-16

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790618 Date Received: 03/14/96

Lab File ID: CN090618C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-23

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790619 Date Received: 03/14/96

Lab File ID: CN090619C52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-60

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790620 Date Received: 03/14/96

Lab File ID: CN090620A52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-60D

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790621 Date Received: 03/14/96

Lab File ID: CN090621A52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-67

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790622 Date Received: 03/14/96

Lab File ID: CN090622A52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-05

Lab Name: COMPUCHEM ENV. LAB. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790894 Date Received: 03/15/96

Lab File ID: LR090894A Date Analyzed: 03/19/96

Purge Volume: 25.0 ml Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-06

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790895 Date Received: 03/15/96

Lab File ID: IN090895A [illegible] Date Analyzed: 03/19/96

Purge Volume: 25.0 mL Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	[illegible] NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-15

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790896 Date Received: 03/15/96

Lab File ID: IN090896A Date Analyzed: 03/19/96

Large Volume: 25.0 mL Dilution Factor: 1.0

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	~~LABORATORY ARTIFACT~~	~~12.34~~	~~3~~	~~J~~
2.				
3.				
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Blue 5/6/96

ILCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-17

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790897 Date Received: 03/15/96

Lab File ID: CN090897A82.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	MIX ID NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-20

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: [illegible] SAS No.: SDG No.: RW05

Lab Sample ID: 790898 Date Received: 03/15/96

Lab File ID: CN090898A.[illegible] Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-29

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790899 Date Received: 03/15/96

Lab File ID: N090899A Date Analyzed: 03/19/96

Purge Volume: 25.0 Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-30

Lab Name: COMPUCHEM ENV. Contract: R3232

Lab Code: COMPU Case No.: SAS No.: SDG No.: RW05

Lab Sample ID: 790900 Date Received: 03/15/96

Lab File ID: CN090900E12.D Date Analyzed: 03/18/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
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ILCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-45

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790904 Date Received: 03/15/96

Lab File ID: IN090904F Date Analyzed: 03/18/96

Purge Volume: 25.0 Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-46

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790907 Date Received: 03/15/96

Lab File ID: CN090907B52.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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ILCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-46-TB

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790909 Date Received: 03/15/96

Lab File ID: CN090909E02.D Date Analyzed: 03/19/96

Purge Volume: 25.0 ml Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-46D

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790908 Date Received: 03/15/96

Lab File ID: CN090908B12.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-57

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790910 Date Received: 03/15/96

Lab File ID: CN0909108 Date Analyzed: 03/19/96

Purge Volume: 25.0 ml Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-59

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: [illegible] SAS No.: SDG No.: RW05

Lab Sample ID: 790911 Date Received: 03/15/96

Lab File ID: CN090911B[illegible]2.D Date Analyzed: 03/19/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: CN092507B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: CN092508B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: CR092509B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	~~LABORATORY ARTIFACT~~	~~12.33~~	~~3~~	~~J~~
2.				
3.				
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MW 5/8/96

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: CR092514B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: CN092516B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: CN092517B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-26-TB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792518 Date Received: 03/21/96

Lab File ID: CN092518B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: CN092519B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: CN092520B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: CN092521B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: CN092522B52.D Date Analyzed: 03/28/96

Purge Volume: 25.0 (mL) Dilution Factor: 1.0

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-02

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790603 Date Received: 03/14/96

Lab File ID: GH090603C60.D Date Extracted: 03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	4.95	13	J
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-02-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790623 Date Received: 03/14/96

Lab File ID: GH090623C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-03

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790608 Date Received: 03/14/96

Lab File ID: GH090608C60.D Date Extracted: 03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	4.95	12	J
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-04

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790613 Date Received: 03/14/96

Lab File ID: GH090613C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	4.94	13	J
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-11

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790614 Date Received: 03/14/96

Lab File ID: GH090614C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	4.95	11	J
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-12

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790615 Date Received: 03/14/96

Lab File ID: GH090615C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-13

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790616 Date Received: 03/14/96

Lab File ID: GH090616C60.D Date Extracted: 03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-14

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790617 Date Received: 03/14/96

Lab File ID: G2R90617A60.D Date Extracted: 03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	19.97	6	J
2.				
3.				
4.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-16

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790618 Date Received: 03/14/96

Lab File ID: GH090618C60.D Date Extracted: 03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-23

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790619 Date Received: 03/14/96

Lab File ID: GH090619C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-60

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790620 Date Received: 03/14/96

Lab File ID: GH090620C60.D Date Extracted: 03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-60D

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790621 Date Received: 03/14/96

Lab File ID: GH090621C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-67

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790622 Date Received: 03/14/96

Lab File ID: GH090622C60.D Date Extracted:03/18/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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3.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-05

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790894 Date Received: 03/15/96

Lab File ID: GH090894C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH: _____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-06

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790895 Date Received: 03/15/96

Lab File ID: GH090895C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-15

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790896 Date Received: 03/15/96

Lab File ID: GH090896C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-17

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790897 Date Received: 03/15/96

Lab File ID: GH090897C60.D Date Extracted:03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-17RE

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790897 Date Received: 03/15/96

Lab File ID: G2R90897A60.D Date Extracted: 03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-20

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790898 Date Received: 03/15/96

Lab File ID: GJ090898A60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-29

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790899 Date Received: 03/15/96

Lab File ID: GH090899C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-30

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790900 Date Received: 03/15/96

Lab File ID: GH090900C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-45

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790904 Date Received: 03/15/96

Lab File ID: GH090904C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-46

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790907 Date Received: 03/15/96

Lab File ID: GH090907C60.D Date Extracted: 03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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3.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-46D

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790908 Date Received: 03/15/96

Lab File ID: GH090908C60.D Date Extracted:03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-57

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790910 Date Received: 03/15/96

Lab File ID: GH090910C60.D Date Extracted:03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-59

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790911 Date Received: 03/15/96

Lab File ID: GH090911C60.D Date Extracted:03/20/96

Sample Volume: 1000 (mL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-01

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792507 Date Received: 03/21/96

Lab File ID: GH092507A60.D Date Extracted: 03/26/96

Sample Volume: 1000 (mL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-07

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792508 Date Received: 03/21/96

Lab File ID: GH092508A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-09

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792509 Date Received: 03/21/96

Lab File ID: G2J92509B60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792514 Date Received: 03/21/96

Lab File ID: GH092514A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-26

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792516 Date Received: 03/21/96

Lab File ID: GH092516A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-26-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792517 Date Received: 03/21/96

Lab File ID: GJ092517B60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-31

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792519 Date Received: 03/21/96

Lab File ID: GH092519A60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	SUBSTITUTED CARBOXYLIC ACID	7.52	11	J
2.	UNKNOWN CARBOXYLIC ACID	8.59	29	J
3.				
4.				
5.				
6.				
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8.				
9.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-36

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792520 Date Received: 03/21/96

Lab File ID: GH092520A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-48

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792521 Date Received: 03/21/96

Lab File ID: GJ092521B60.D Date Extracted:03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1.0(uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW-68

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Lab Sample ID: 792522 Date Received: 03/21/96

Lab File ID: GH092522A60.D Date Extracted: 03/25/96

Sample Volume: 1000 (mL) Date Analyzed: 03/27/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) pH:_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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Appendix E

Support Documentation

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# F50052	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/18/96 0118			3/18/96 1921			3/19/96 0807			3/27/96 1831		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane											37.2	C
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride												
Acetone	.022	40.0	F	.016		F	.021		F	.015		F
Carbon Disulfide												
1,1-Dichloroethene												
1,1-Dichloroethane												
Total-1,2-Dichloroethene												
Chloroform												
1,2-Dichloroethane												
2-Butanone	.022		F	.035	57.9	F	.032	44.8	F	.014	35.7	F
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Vinyl Acetate												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene												
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene												
trans-1,3-Dichloropropene												
Bromoform												
4-Methyl-2-Pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene												
Chlorobenzene												
Ethylbenzene												
1,2-Dibromo-3-chloropropane		32.8	C									
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
Styrene												
Total Xylenes												
Dichlorofluoromethane	.036		F	.035		F	.038		F	.038		F

AFFECTED SAMPLES:	All Samples This Page			
		VBLKLB	VBLKMM	VBLKLO
		RW-02	VLCS10	VLCS10
		RW-03	RW-60	RW-01
		RW-04	RW-60D	RW-07
		RW-11	RW-67	RW-26
		RW-12	VSBLKT4	RW-26-FB
		RW-13	RW-02-FB	RW-26-TB
		RW-14	RW-02-TB	RW-31
		RW-16	VSBLKT1	
		RW-23	RW-06	
		VLCS11	RW-15	
		RW-30	RW-17	
		RW-45	RW-20	
		RW-46	RW-29	
		RW-46D	RW-05	
		RW-46-TB		
		RW-57		
		RW-59		

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# F50052	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/18/96 0118			3/28/96 0555								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane												
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride												
Acetone	.022	40.0	F	.014		F						
Carbon Disulfide												
1,1-Dichloroethene												
1,1-Dichloroethane												
Total-1,2-Dichloroethene												
Chloroform												
1,2-Dichloroethane												
2-Butanone	.022		F	.020		F						
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Vinyl Acetate												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene												
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene												
trans-1,3-Dichloropropene												
Bromoform												
4-Methyl-2-Pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene												
Chlorobenzene												
Ethylbenzene												
1,2-Dibromo-3-chloropropane		32.8	C		32.3	C						
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
Styrene												
Total Xylenes												
Dichlorofluoromethane	.036		F	.034		F						

AFFECTED SAMPLES:

All Samples This Page

VBLK02
RW-36
RW-48
RW-68
RW-09
RW-10
BHBLK01

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# 5972HP60	Init. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/21/96 1146			3/21/96 1739			3/22/96 0308		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Phenol									
bis(2-Chloroethyl)ether									
2-Chlorophenol									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
Benzyl alcohol									
1,2-Dichlorobenzene									
2-Methylphenol									
bis(2-Chloroisopropyl)ether									
4-Methylphenol									
N-Nitroso-di-n-propylamine									
Hexachloroethane									
Nitrobenzene									
Isophorone									
2-Nitrophenol									
2,4-Dimethylphenol									
Benzoic acid									
bis(2-Chloroethoxy)methane									
2,4-Dichlorophenol									
1,2,4-Trichlorobenzene									
Naphthalene									
4-Chloroaniline									
Hexachlorobutadiene									
4-Chloro-3-Methylphenol									
2-Methylnaphthalene									
Hexachlorocyclopentadiene									
2,4,6-Trichlorophenol									
2,4,5-Trichlorophenol									
2-Chloronaphthalene									
2-Nitroaniline									
Dimethylphthalate									
Acenaphthylene									
2,6-Dinitrotoluene									
3-Nitroaniline									
Acenaphthene									
2,4-Dinitrophenol									
4-Nitrophenol									

AFFECTED SAMPLES:	All Samples This Page	SBLK19	SBLK99
		SLCS20	RW-05
		RW-03	RW-06
		RW-02	RW-15
		RW-12	RW-59
		RW-11	RW-29
		RW-04	RW-30
		RW-16	RW-45
		RW-23	RW-17
		RW-60	RW-46
		RW-60D	RW-46D
		RW-67	RW-57
		RW-02-FB	SLCS98
		RW-13	RW-20

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# 5972HP60	Init. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/21/96 1146			3/21/96 1739			3/22/96 0308		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Dibenzofuran									
2,4-Dinitrotoluene									
Diethylphthalate									
4-Chlorophenyl-phenylether									
Fluorene									
4-Nitroaniline									
4,6-Dinitro-2-methylphenol									
N-Nitrosodiphenylamine									
4-Bromophenyl-phenylether									
Hexachlorobenzene									
Pentachlorophenol									
Phenanthrene									
Anthracene									
Di-n-butylphthalate									
Fluoranthene									
Pyrene									
Butylbenzylphthalate									
3,3-Dichlorobenzidine									
Benzo(a)anthracene									
Chrysene									
bis(2-Ethylhexyl)phthalate									
Di-n-octylphthalate									
Benzo(b)fluoranthene									
Benzo(k)fluoranthene									
Benzo(a)pyrene									
Indeno(1,2,3-cd)pyrene									
Dibenz(a,h)anthracene									
Benzo(g,h,i)perylene									
Benzoic Acid		38.6	C					26.3	C

AFFECTED SAMPLES:			
	All Samples	SBLK19	SBLK99
	This Page	SLCS20	RW-05
		RW-03	RW-06
		RW-02	RW-15
		RW-12	RW-59
		RW-11	RW-29
		RW-04	RW-30
		RW-16	RW-45
		RW-23	RW-17
		RW-60	RW-46
		RW-60D	RW-46D
		RW-67	RW-57
		RW-02-FB	SLCS98
		RW-13	RW-20

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# 5972HP60	Init. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/21/96 1146			3/27/96 1055			3/28/96 0853		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Phenol									
bis(2-Chloroethyl)ether									
2-Chlorophenol									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
Benzyl alcohol									
1,2-Dichlorobenzene									
2-Methylphenol									
bis(2-Chloroisopropyl)ether									
4-Methylphenol									
N-Nitroso-di-n-propylamine									
Hexachloroethane									
Nitrobenzene									
Isophorone									
2-Nitrophenol									
2,4-Dimethylphenol									
Benzoic acid									
bis(2-Chloroethoxy)methane									
2,4-Dichlorophenol									
1,2,4-Trichlorobenzene									
Naphthalene									
4-Chloroaniline									
Hexachlorobutadiene									
4-Chloro-3-Methylphenol									
2-Methylnaphthalene									
Hexachlorocyclopentadiene									
2,4,6-Trichlorophenol									
2,4,5-Trichlorophenol									
2-Chloronaphthalene									
2-Nitroaniline									
Dimethylphthalate									
Acenaphthylene									
2,6-Dinitrotoluene									
3-Nitroaniline									
Acenaphthene									
2,4-Dinitrophenol									
4-Nitrophenol									

AFFECTED SAMPLES:	All Samples This Page	SBLK89	SBLK11
		SLCS90	SLCS10
		RW-07	RW-01
		RW-10	RW-17E
		RW-26	RW-14
		RW-31	
		RW-36	
		RW-68	
		RW-26-FB	
		RW-48	
		RW-09	

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/SAS No. R3232 CONTRACTOR ESAT

Instrument# 5972HP60	Init. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	3/21/96 1146			3/27/96 1055			3/28/96 0853		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Dibenzofuran									
2,4-Dinitrotoluene									
Diethylphthalate									
4-Chlorophenyl-phenylether									
Fluorene									
4-Nitroaniline									
4,6-Dinitro-2-methylphenol									
N-Nitrosodiphenylamine									
4-Bromophenyl-phenylether									
Hexachlorobenzene									
Pentachlorophenol									
Phenanthrene									
Anthracene									
Di-n-butylphthalate									
Fluoranthene									
Pyrene									
Butylbenzylphthalate									
3,3-Dichlorobenzidine								57.2	C
Benzo(a)anthracene									
Chrysene									
bis(2-Ethylhexyl)phthalate									
Di-n-octylphthalate					78.3	C		74.8	C
Benzo(b)fluoranthene								27.3	C
Benzo(k)fluoranthene									
Benzo(a)pyrene									
Indeno(1,2,3-cd)pyrene									
Dibenz(a,h)anthracene									
Benzo(g,h,i)perylene									
Benzoic Acid		38.6	I					35.3	C

AFFECTED SAMPLES:			
		SBLK99	SBLK11
	All Samples	SLCS90	SLCS10
	This Page	RW-07	RW-01
		RW-10	RW-17E
		RW-26	RW-14
		RW-31	
		RW-36	
		RW-68	
		RW-26-FB	
		RW-48	
		RW-09	

Reviewer Initials/Date: KWC 5/9/96

* See last page of this table for DEFINITION OF CODES.

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J". When the %RSD exceeded 50%, quantitation limits are qualified "UJ".

C = %D exceeded 25% in the continuing calibration, positive results are qualified "J". When the %D exceeded 50%, quantitation limits are qualified "UJ".

F = RF less than 0.05 in the calibration. All quantitation limits are qualified "R" and positive results are qualified "L".

+ = The "B" qualifier, denoting blank contamination, supersedes the qualifier issued in this table.

R = The "R" qualifier, denoting unusable results, supersedes the qualifier issued in this table.

6LCA

LOW CONC. WATER VOLATILE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date(s): 03/18/96 03/18/96

LAB FILE ID: RRF1 =CU960318C52.D RRF2 =CW960318C52.D
RRF5 =CV960318C52.D RRF10=CX960318C52.D RRF25=CT960318C52.D

All Samples

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF25	$\overline{RRF}$	% RSD
Chloromethane	0.297	0.362	0.346	0.353	0.334	0.338	7.4
Bromomethane *	0.326	0.379	0.368	0.375	0.357	0.361	6.0*
Vinyl chloride *	0.328	0.391	0.377	0.382	0.356	0.367	6.8*
Chloroethane	0.218	0.284	0.275	0.279	0.268	0.265	10.2
Methylene chloride	0.391	0.301	0.250	0.232	0.218	0.279	25.3
Acetone	0.032	0.022	0.013	0.017	0.014	0.020	40.0
Carbon disulfide	1.419	1.213	1.160	1.033	1.031	1.171	13.6
1,1-Dichloroethene *	0.384	0.354	0.323	0.313	0.293	0.334	10.7*
1,1-Dichloroethane *	0.835	0.770	0.675	0.653	0.621	0.711	12.5*
cis-1,2-Dichloroethene	0.486	0.429	0.413	0.386	0.379	0.419	10.2
trans-1,2-Dichloroethene	0.297	0.310	0.277	0.272	0.265	0.284	6.6
Chloroform *	1.039	0.974	0.817	0.768	0.709	0.861	16.2*
1,2-Dichloroethane *	0.321	0.295	0.272	0.246	0.264	0.280	10.4*
2-Butanone	0.027	0.021	0.015	0.019	0.030	0.022	27.6
Bromochloromethane *	0.139	0.124	0.120	0.117	0.120	0.124	7.2*
1,1,1-Trichloroethane *	2.299	2.086	1.675	1.554	1.408	1.804	20.8*
Carbon tetrachloride *	2.263	2.061	1.654	1.625	1.504	1.822	17.8*
Bromodichloromethane *	1.081	0.999	0.835	0.838	0.787	0.908	13.8*
1,2-Dichloropropane	0.370	0.356	0.301	0.305	0.291	0.325	11.1
cis-1,3-Dichloropropene *	0.516	0.506	0.448	0.459	0.437	0.473	7.6*
Trichloroethene *	0.848	0.747	0.655	0.655	0.627	0.706	12.9*
Dibromochloromethane *	0.599	0.527	0.460	0.471	0.454	0.502	12.2*
1,1,2-Trichloroethane *	0.231	0.203	0.178	0.180	0.172	0.193	12.6*
Benzene *	1.350	1.224	1.035	1.034	0.970	1.122	14.2*
trans-1,3-Dichloropropene *	0.339	0.321	0.301	0.321	0.319	0.320	4.2*
Bromoform *	0.560	0.513	0.444	0.494	0.522	0.507	8.4*
4-Methyl-2-pentanone	0.151	0.132	0.105	0.107	0.099	0.119	18.3
2-Hexanone	0.069	0.070	0.059	0.053	0.060	0.062	12.0
Tetrachloroethene *	1.141	1.039	0.840	0.829	0.753	0.920	17.7*
1,1,2,2-Tetrachloroethane *	0.218	0.219	0.194	0.187	0.186	0.200	8.2*
1,2-Dibromoethane *	0.285	0.237	0.230	0.223	0.239	0.243	10.2*
Toluene *	1.755	1.531	1.309	1.248	1.171	1.403	17.0*
Chlorobenzene *	1.280	1.092	0.932	0.949	0.911	1.033	15.0*
Ethylbenzene *	2.717	2.404	2.009	1.950	1.792	2.174	17.4*
Styrene *	1.186	1.014	0.898	0.818	0.797	0.942	17.0*
Xylenes (Total) *	0.965	0.775	0.680	0.628	0.607	0.731	20.0*
1,3-Dichlorobenzene *	1.962	2.158	1.803	1.705	1.733	1.872	10.1*
1,4-Dichlorobenzene *	1.852	2.135	1.734	1.717	1.780	1.843	9.3*
1,2-Dichlorobenzene *	2.248	1.526	1.348	1.307	1.397	1.565	25.0*
1,2-Dibromo-3-chloropropane	0.243	0.177	0.131	0.123	0.121	0.159	32.8
Dichlorofluoromethane	0.030	0.036	0.040	0.037	0.037	0.036	9.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6LCA

LOW CONC. WATER VOLATILE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date(s): 03/18/96 03/18/96

LAB FILE ID: RRF1 =CU960318C52.D RRF2 =CW960318C52.D
RRF5 =CV960318C52.D RRF10=CX960318C52.D RRF25=CT960318C52.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF25	$\overline{RRF}$	% RSD
Bromofluorobenzene	* 0.391	0.359	0.356	0.345	0.337	0.358	5.8*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date: 03/18/96 Time: 1921

Lab File ID: CS960318B52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	Samples
Chloromethane	0.338	0.351		-3.6		UBLK LB
Bromomethane	0.361	0.380	0.100	-5.2	30.0	RW-02
Vinyl_chloride	0.367	0.390	0.100	-6.3	30.0	RW-03
Chloroethane	0.265	0.277		-4.7		RW-04
Methylene_chloride	0.279	0.286		-2.8		RW-11
Acetone	0.020	0.016		16.8		RW-12
Carbon_disulfide	1.171	1.151		1.8		RW-13
1,1-Dichloroethene	0.334	0.319	0.100	4.4	30.0	RW-14
1,1-Dichloroethane	0.711	0.700	0.200	1.5	30.0	RW-16
cis-1,2-Dichloroethene	0.419	0.413		1.4		RW-23
trans-1,2-Dichloroethene	0.284	0.267		5.9		
Chloroform	0.861	0.854	0.200	0.9	30.0	VLCS11
1,2-Dichloroethane	0.280	0.303	0.100	-8.4	30.0	RW-30
2-Butanone	0.022	0.035		-57.9		RW 45
Bromochloromethane	0.124	0.127	0.050	-2.0	30.0	RW 46
1,1,1-Trichloroethane	1.804	1.628	0.100	9.8	30.0	RW46D
Carbon_tetrachloride	1.822	1.663	0.100	8.7	30.0	RW-46-TB
Bromodichloromethane	0.908	0.859	0.200	5.4	30.0	RW-57
1,2-Dichloropropane	0.325	0.315		2.9		RW-59
cis-1,3-Dichloropropene	0.473	0.467	0.200	1.3	30.0	
Trichloroethene	0.706	0.634	0.300	10.3	30.0	
Dibromochloromethane	0.502	0.485	0.100	3.5	30.0	
1,1,2-Trichloroethane	0.193	0.181	0.100	6.0	30.0	
Benzene	1.122	1.001	0.500	10.8	30.0	
trans-1,3-Dichloropropene	0.320	0.321	0.100	-0.2	30.0	
Bromoform	0.507	0.493	0.050	2.6	30.0	
4-Methyl-2-pentanone	0.119	0.126		-5.6		
2-Hexanone	0.062	0.063		-2.2		
Tetrachloroethene	0.920	0.817	0.200	11.2	30.0	
1,1,2,2-Tetrachloroethane	0.200	0.209	0.100	-4.4	30.0	
1,2-Dibromoethane	0.243	0.235	0.100	3.2	30.0	
Toluene	1.403	1.276	0.400	9.0	30.0	
Chlorobenzene	1.033	0.949	0.500	8.2	30.0	
Ethylbenzene	2.174	1.984	0.100	8.7	30.0	
Styrene	0.942	0.882	0.300	6.5	30.0	
Xylenes_(Total)	0.731	0.659	0.300	9.8	30.0	
1,3-Dichlorobenzene	1.872	1.736	0.600	7.3	30.0	
1,4-Dichlorobenzene	1.843	1.829	0.500	0.8	30.0	
1,2-Dichlorobenzene	1.565	1.384	0.400	11.6	30.0	
1,2-Dibromo-3-chloropropane	0.159	0.127		20.0		
Dichlorofluoromethane	0.036	0.035		3.6		

All other compounds must meet a minimum RRF of 0.010.

FORM VII LCV 10/92

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date: 03/18/96 Time: 1921

Lab File ID: CS960318B52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.358	0.335	0.200	6.3	30.0

All other compounds must meet a minimum RRF of 0.010.

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date: 03/19/96 Time: 0807

Lab File ID: CS960319A52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Chloromethane	0.338	0.347		-2.6	
Bromomethane	0.361	0.364	0.100	-0.8	30.0
Vinyl chloride	0.367	0.383	0.100	-4.5	30.0
Chloroethane	0.265	0.273		-3.1	
Methylene chloride	0.279	0.237		14.8	
Acetone	0.020	0.021		-9.8	
Carbon disulfide	1.171	1.197		-2.2	
1,1-Dichloroethene	0.334	0.303	0.100	9.1	30.0
1,1-Dichloroethane	0.711	0.676	0.200	4.8	30.0
cis-1,2-Dichloroethene	0.419	0.410		2.0	
trans-1,2-Dichloroethene	0.284	0.258		9.4	
Chloroform	0.861	0.855	0.200	0.8	30.0
1,2-Dichloroethane	0.280	0.286	0.100	-2.4	30.0
2-Butanone	0.022	0.032		-44.8	
Bromochloromethane	0.124	0.124	0.050	0.2	30.0
1,1,1-Trichloroethane	1.804	1.646	0.100	8.8	30.0
Carbon tetrachloride	1.822	1.602	0.100	12.1	30.0
Bromodichloromethane	0.908	0.823	0.200	9.3	30.0
1,2-Dichloropropane	0.325	0.295		9.0	
cis-1,3-Dichloropropene	0.473	0.432	0.200	8.6	30.0
Trichloroethene	0.706	0.634	0.300	10.2	30.0
Dibromochloromethane	0.502	0.468	0.100	6.8	30.0
1,1,2-Trichloroethane	0.193	0.177	0.100	8.0	30.0
Benzene	1.122	0.960	0.500	14.5	30.0
trans-1,3-Dichloropropene	0.320	0.285	0.100	11.1	30.0
Bromoform	0.507	0.439	0.050	13.3	30.0
4-Methyl-2-pentanone	0.119	0.114		3.8	
2-Hexanone	0.062	0.061		2.0	
Tetrachloroethene	0.920	0.832	0.200	9.6	30.0
1,1,2,2-Tetrachloroethane	0.200	0.185	0.100	8.0	30.0
1,2-Dibromoethane	0.243	0.238	0.100	1.9	30.0
Toluene	1.403	1.234	0.400	12.0	30.0
Chlorobenzene	1.033	0.913	0.500	11.6	30.0
Ethylbenzene	2.174	1.936	0.100	11.0	30.0
Styrene	0.942	0.870	0.300	7.7	30.0
Xylenes (Total)	0.731	0.693	0.300	5.2	30.0
1,3-Dichlorobenzene	1.872	1.731	0.600	7.5	30.0
1,4-Dichlorobenzene	1.843	1.673	0.500	9.3	30.0
1,2-Dichlorobenzene	1.565	1.284	0.400	18.0	30.0
1,2-Dibromo-3-chloropropane	0.159	0.127		20.0	
Dichlorofluoromethane	0.036	0.038		-5.1	

Samples
VBLKMM
VLCS10
RW-60
RW-60D
RW-67
VSBLK T4
RW-02FB
RW-02TB
VSBLKT1
RW-06
RW-15
RW-17
RW-20
RW-29
RW-05

All other compounds must meet a minimum RRF of 0.010.

FORM VII LCV 10/92

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: R3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Instrument ID: F50052 Calibration Date: 03/19/96 Time: 0807

Lab File ID: CS960319A52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.358	0.376	0.200	-5.1	30.0

All other compounds must meet a minimum RRF of 0.010.

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: F50052 Calibration Date: 03/27/96 Time: 1831

Lab File ID: CT960327B52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	Samples
Chloromethane	0.338	0.213		37.2		VBLKLO
Bromomethane	0.361	0.323	0.100	10.6	30.0	
Vinyl chloride	0.367	0.303	0.100	17.5	30.0	VLCS10
Chloroethane	0.265	0.227		14.2		RW-01
Methylene chloride	0.279	0.242		13.1		
Acetone	0.020	0.015		23.1		RW-07
Carbon disulfide	1.171	0.896		23.5		
1,1-Dichloroethene	0.334	0.260	0.100	22.2	30.0	RW-26
1,1-Dichloroethane	0.711	0.574	0.200	19.3	30.0	
cis-1,2-Dichloroethene	0.419	0.380		9.3		RW-26TB
trans-1,2-Dichloroethene	0.284	0.228		19.9		
Chloroform	0.861	0.801	0.200	7.0	30.0	RW-26TS
1,2-Dichloroethane	0.280	0.262	0.100	6.5	30.0	
2-Butanone	0.022	0.014		35.7		
Bromochloromethane	0.124	0.154	0.050	-24.4	30.0	RW-31
1,1,1-Trichloroethane	1.804	1.426	0.100	21.0	30.0	
Carbon tetrachloride	1.822	1.566	0.100	14.1	30.0	
Bromodichloromethane	0.908	0.841	0.200	7.4	30.0	
1,2-Dichloropropane	0.325	0.273		15.9		
cis-1,3-Dichloropropene	0.473	0.442	0.200	6.5	30.0	
Trichloroethene	0.706	0.566	0.300	19.9	30.0	
Dibromochloromethane	0.502	0.586	0.100	-16.7	30.0	
1,1,2-Trichloroethane	0.193	0.198	0.100	-2.6	30.0	
Benzene	1.122	0.848	0.500	24.5	30.0	
trans-1,3-Dichloropropene	0.320	0.327	0.100	-2.1	30.0	
Bromoform	0.507	0.644	0.050	-27.1	30.0	
4-Methyl-2-pentanone	0.119	0.099		16.9		
2-Hexanone	0.062	0.061		1.8		
Tetrachloroethene	0.920	1.090	0.200	-18.4	30.0	
1,1,2,2-Tetrachloroethane	0.200	0.221	0.100	-10.0	30.0	
1,2-Dibromoethane	0.243	0.252	0.100	-3.9	30.0	
Toluene	1.403	1.173	0.400	16.4	30.0	
Chlorobenzene	1.033	1.002	0.500	3.0	30.0	
Ethylbenzene	2.174	1.871	0.100	13.9	30.0	
Styrene	0.942	0.850	0.300	9.8	30.0	
Xylenes (Total)	0.731	0.606	0.300	17.2	30.0	
1,3-Dichlorobenzene	1.872	1.657	0.600	11.5	30.0	
1,4-Dichlorobenzene	1.843	1.723	0.500	6.5	30.0	
1,2-Dichlorobenzene	1.565	1.362	0.400	13.0	30.0	
1,2-Dibromo-3-chloropropane	0.159	0.124		21.7		
Dichlorofluoromethane	0.036	0.038		-4.7		

All other compounds must meet a minimum RRF of 0.010.

FORM VII LCV 10/92

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: F50052 Calibration Date: 03/27/96 Time: 1831

Lab File ID: CT960327B52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.358	0.474	0.200	-32.4	30.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII LCV 10/92

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: F50052 Calibration Date: 03/28/96 Time: 0555

Lab File ID: CS960328C52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	Samples
Chloromethane	0.338	0.382		-12.7		VBLK02
Bromomethane	0.361	0.372	0.100	-3.1	30.0	
Vinyl chloride	0.367	0.400	0.100	-9.1	30.0	RW-36
Chloroethane	0.265	0.264		0.3		
Methylene chloride	0.279	0.229		17.8		RW-48
Acetone	0.020	0.014		26.2		
Carbon disulfide	1.171	0.975		16.7		RW-68
1,1-Dichloroethene	0.334	0.273	0.100	18.2	30.0	
1,1-Dichloroethane	0.711	0.602	0.200	15.3	30.0	RW-09
cis-1,2-Dichloroethene	0.419	0.395		5.7		
trans-1,2-Dichloroethene	0.284	0.245		14.0		RW-10
Chloroform	0.861	0.789	0.200	8.4	30.0	
1,2-Dichloroethane	0.280	0.259	0.100	7.4	30.0	
2-Butanone	0.022	0.020		10.0		VHBLK01
Bromochloromethane	0.124	0.142	0.050	-14.8	30.0	
1,1,1-Trichloroethane	1.804	1.468	0.100	18.6	30.0	
Carbon tetrachloride	1.822	1.521	0.100	16.5	30.0	
Bromodichloromethane	0.908	0.782	0.200	13.9	30.0	
1,2-Dichloropropane	0.325	0.260		19.9		
cis-1,3-Dichloropropene	0.473	0.442	0.200	6.5	30.0	
Trichloroethene	0.706	0.566	0.300	19.9	30.0	
Dibromochloromethane	0.502	0.554	0.100	-10.3	30.0	
1,1,2-Trichloroethane	0.193	0.195	0.100	-1.1	30.0	
Benzene	1.122	0.853	0.500	24.0	30.0	
trans-1,3-Dichloropropene	0.320	0.308	0.100	3.9	30.0	
Bromoform	0.507	0.574	0.050	-13.2	30.0	
4-Methyl-2-pentanone	0.119	0.094		21.1		
2-Hexanone	0.062	0.057		8.2		
Tetrachloroethene	0.920	1.096	0.200	-19.1	30.0	
1,1,2,2-Tetrachloroethane	0.200	0.202	0.100	-0.6	30.0	
1,2-Dibromoethane	0.243	0.245	0.100	-1.0	30.0	
Toluene	1.403	1.208	0.400	13.9	30.0	
Chlorobenzene	1.033	0.957	0.500	7.4	30.0	
Ethylbenzene	2.174	1.905	0.100	12.4	30.0	
Styrene	0.942	0.854	0.300	9.4	30.0	
Xylenes (Total)	0.731	0.653	0.300	10.6	30.0	
1,3-Dichlorobenzene	1.872	1.706	0.600	8.9	30.0	
1,4-Dichlorobenzene	1.843	1.627	0.500	11.7	30.0	
1,2-Dichlorobenzene	1.565	1.288	0.400	17.7	30.0	
1,2-Dibromo-3-chloropropane	0.159	0.108		32.3		
Dichlorofluoromethane	0.036	0.034		4.5		

All other compounds must meet a minimum RRF of 0.010.

7LCA

LOW CONC. WATER VOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: F50052 Calibration Date: 03/28/96 Time: 0555

Lab File ID: CS960328C52.D Init. Calibration Date(s): 03/18/96 03/18/96

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.358	0.481	0.200	-34.5	30.0

All other compounds must meet a minimum RRF of 0.010.

6LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02-

Instrument ID: 5972HP60 Calibration Date(s): 03/21/96 03/21/96

Calibration Times: 1146 1532

Samples
All Samples

LAB FILE ID: RRF5 =HI960321A60.D RRF10=HK960321A60.D
RRF20=HG960321A60.D RRF50=HM960321A60.D RRF80=HL960321A60.D

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF80	$\overline{RRF}$	% RSD
Phenol *	1.979	1.916	1.741	1.729	1.604	1.794	8.5*
bis(2-Chloroethyl)ether *	1.229	1.210	1.080	1.112	1.050	1.136	7.0*
2-Chlorophenol *	1.659	1.573	1.462	1.506	1.422	1.525	6.2*
2-Methylphenol *	1.278	1.265	1.170	1.241	1.183	1.227	4.0*
2,2'-oxybis(1-Chloropropane)	2.073	2.057	1.864	1.933	1.832	1.952	5.6
4-Methylphenol *	2.896	2.577	2.311	1.971	1.808	2.313	19.1*
N-Nitroso-di-n-propylamine *	1.035	0.985	0.868	0.815	0.769	0.894	12.6*
Hexachloroethane *	0.841	0.844	0.783	0.759	0.719	0.789	6.8*
Nitrobenzene *	0.449	0.418	0.392	0.389	0.375	0.405	7.2*
Isophorone *	0.829	0.755	0.695	0.698	0.672	0.730	8.7*
2-Nitrophenol *	0.244	0.245	0.228	0.236	0.230	0.237	3.3*
2,4-Dimethylphenol *	0.407	0.386	0.354	0.375	0.370	0.378	5.2*
bis(2-Chloroethoxy)methane *	0.433	0.396	0.354	0.369	0.359	0.382	8.5*
2,4-Dichlorophenol *	0.322	0.316	0.286	0.294	0.280	0.300	6.3*
1,2,4-Trichlorobenzene *	0.371	0.334	0.320	0.282	0.271	0.316	12.8*
Naphthalene *	1.090	1.022	0.970	0.873	0.839	0.959	10.8*
4-Chloroaniline	0.540	0.511	0.478	0.417	0.390	0.467	13.5
Hexachlorobutadiene	0.224	0.217	0.201	0.179	0.171	0.198	11.5
4-Chloro-3-methylphenol *	0.283	0.305	0.264	0.314	0.297	0.293	6.8*
2-Methylnaphthalene *	0.746	0.697	0.642	0.585	0.557	0.645	12.1*
Hexachlorocyclopentadiene	0.222	0.266	0.274	0.338	0.316	0.283	16.0
2,4,6-Trichlorophenol *	0.455	0.438	0.417	0.401	0.386	0.419	6.6*
2,4,5-Trichlorophenol *	0.577	0.535	0.497	0.445	0.451	0.501	11.2*
2-Chloronaphthalene *	1.386	1.296	1.235	1.093	1.050	1.212	11.6*
2-Nitroaniline	0.650	0.567	0.546	0.532	0.537	0.566	8.6
Dimethylphthalate	1.633	1.518	1.405	1.288	1.291	1.427	10.4
Acenaphthylene *	1.968	1.853	1.740	1.556	1.498	1.723	11.4*
2,6-Dinitrotoluene *	0.402	0.378	0.346	0.340	0.329	0.359	8.4*
3-Nitroaniline	0.589	0.528	0.505	0.502	0.521	0.529	6.7
Acenaphthene *	1.363	1.245	1.183	1.061	1.020	1.174	11.8*
2,4-Dinitrophenol	0.239	0.237	0.235	0.245	0.251	0.242	2.6
4-Nitrophenol	0.345	0.342	0.326	0.313	0.321	0.329	4.2
Dibenzofuran *	1.969	1.789	1.691	1.407	1.353	1.642	15.8*
2,4-Dinitrotoluene *	0.500	0.464	0.439	0.382	0.363	0.429	13.3*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02-

Instrument ID: 5972HP60 Calibration Date(s): 03/21/96 03/21/96

Calibration Times: 1146 1532

LAB FILE ID: RRF5 =HI960321A60.D RRF10=HK960321A60.D
RRF20=HG960321A60.D RRF50=HM960321A60.D RRF80=HL960321A60.D

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF80	$\overline{RRF}$	% RSD
Diethylphthalate	1.898	1.735	1.625	1.530	1.485	1.654	10.1
4-Chlorophenyl-phenylether *	0.664	0.602	0.571	0.466	0.425	0.546	18.0*
Fluorene *	1.313	1.201	1.129	0.914	0.839	1.079	18.4*
4-Nitroaniline	0.586	0.498	0.463	0.471	0.476	0.499	10.1
4,6-Dinitro-2-methylphenol	0.255	0.237	0.227	0.220	0.222	0.232	6.2
N-Nitrosodiphenylamine (1)	1.717	1.590	1.450	1.191	1.088	1.407	18.8
4-Bromophenyl-phenylether *	0.287	0.267	0.248	0.233	0.214	0.250	11.3*
Hexachlorobenzene *	0.368	0.341	0.315	0.286	0.261	0.314	13.5*
Pentachlorophenol *	0.218	0.205	0.197	0.186	0.184	0.198	7.0*
Phenanthrene *	1.304	1.234	1.139	1.019	0.954	1.130	12.8*
Anthracene *	1.308	1.225	1.175	1.021	0.957	1.137	12.8*
Di-n-butylphthalate	2.018	1.963	1.861	1.769	1.698	1.862	7.1
Fluoranthene *	1.357	1.311	1.221	1.108	1.013	1.202	11.8
Pyrene *	1.512	1.367	1.271	1.159	1.153	1.292	11.7
Butylbenzylphthalate	0.958	0.900	0.860	0.823	0.807	0.870	7.0
3,3'-Dichlorobenzidine	0.574	0.552	0.498	0.503	0.464	0.518	8.6
Benzo(a)anthracene *	1.370	1.264	1.245	1.129	1.082	1.218	9.4*
Chrysene *	1.379	1.270	1.221	1.145	1.085	1.220	9.3*
bis(2-Ethylhexyl)phthalate	1.318	1.283	1.251	1.256	1.230	1.268	2.7
Di-n-octylphthalate	1.747	1.879	1.630	1.929	1.786	1.794	6.5
Benzo(b)fluoranthene *	1.202	1.216	0.962	1.084	0.971	1.087	11.2*
Benzo(k)fluoranthene *	1.329	1.238	1.228	1.058	0.957	1.162	13.0*
Benzo(a)pyrene *	1.039	1.013	0.967	0.919	0.857	0.959	7.6*
Indeno(1,2,3-cd)pyrene *	0.892	0.757	0.871	0.811	0.831	0.832	6.3*
Dibenzo(a,h)anthracene *	0.593	0.511	0.602	0.598	0.602	0.581	6.8*
Benzo(g,h,i)perylene *	0.659	0.551	0.626	0.584	0.594	0.603	6.8*
Benzoic Acid	0.846	1.178	0.957	0.559	0.418	0.792	38.6
Nitrobenzene-d5	0.432	0.424	0.395	0.394	0.383	0.406	5.2
2-Fluorobiphenyl *	1.544	1.404	1.314	1.157	1.103	1.305	13.8*
Terphenyl-d14 *	1.115	1.018	0.898	0.817	0.821	0.934	13.9*
Phenol-d5 *	1.769	1.746	1.617	1.616	1.531	1.656	6.0*
2-Fluorophenol *	1.569	1.589	1.471	1.499	1.412	1.508	4.8*
2,4,6-Tribromophenol	0.359	0.309	0.283	0.268	0.274	0.299	12.5

(1) - Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02-

Instrument ID: 5972HP60 Calibration Date: 03/21/96 Time: 1739

Lab File ID: HG960321B60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	Samples
Phenol	1.794	1.826	0.800	-1.8	25.0	SBLK19
bis(2-Chloroethyl)ether	1.136	1.174	0.700	-3.3	25.0	SLCS20
2-Chlorophenol	1.525	1.551	0.700	-1.7	25.0	RW-03
2-Methylphenol	1.227	1.210	0.700	1.5	25.0	RW-02
2,2'-oxybis(1-Chloropropane)	1.952	1.959		-0.4		RW-12
4-Methylphenol	2.313	2.399	0.600	-3.7	25.0	RW-11
N-Nitroso-di-n-propylamine	0.894	0.894	0.500	0.1	25.0	RW-04
Hexachloroethane	0.789	0.835	0.300	-5.8	25.0	RW-16
Nitrobenzene	0.405	0.421	0.200	-4.0	25.0	RW-23
Isophorone	0.730	0.733	0.400	-0.4	25.0	RW-60
2-Nitrophenol	0.237	0.246	0.100	-4.0	30.0	RW-60D
2,4-Dimethylphenol	0.378	0.382	0.200	-1.0	30.0	RW-67
bis(2-Chloroethoxy)methane	0.382	0.379	0.300	0.9	25.0	RW-02-7B
2,4-Dichlorophenol	0.300	0.315	0.200	-5.1	25.0	RW-13
1,2,4-Trichlorobenzene	0.316	0.326	0.200	-3.2	25.0	
Naphthalene	0.959	0.980	0.700	-2.2	25.0	
4-Chloroaniline	0.467	0.475		-1.8		
Hexachlorobutadiene	0.198	0.203		-2.5		
4-Chloro-3-methylphenol	0.293	0.320	0.200	-9.4	25.0	
2-Methylnaphthalene	0.645	0.649	0.400	-0.6	25.0	
Hexachlorocyclopentadiene	0.283	0.336		-18.6		
2,4,6-Trichlorophenol	0.419	0.415	0.200	1.1	25.0	
2,4,5-Trichlorophenol	0.501	0.508	0.200	-1.3	25.0	
2-Chloronaphthalene	1.212	1.225	0.800	-1.1	25.0	
2-Nitroaniline	0.566	0.556		1.9		
Dimethylphthalate	1.427	1.390		2.6		
Acenaphthylene	1.723	1.753	1.300	-1.7	25.0	
2,6-Dinitrotoluene	0.359	0.354	0.200	1.6	25.0	
3-Nitroaniline	0.529	0.506		4.4		
Acenaphthene	1.174	1.161	0.800	1.1	25.0	
2,4-Dinitrophenol	0.242	0.245		-1.6		
4-Nitrophenol	0.329	0.330		-0.3		
Dibenzofuran	1.642	1.650	0.800	-0.5	25.0	
2,4-Dinitrotoluene	0.429	0.446	0.200	-3.8	30.0	

All other compounds must meet a minimum RRF of 0.010.

7LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02-

Instrument ID: 5972HP60 Calibration Date: 03/21/96 Time: 1739

Lab File ID: HG960321B60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Diethylphthalate	1.654	1.610		2.7	
4-Chlorophenyl-phenylether	0.546	0.548	0.400	-0.5	25.0
Fluorene	1.079	1.097	0.900	-1.7	25.0
4-Nitroaniline	0.499	0.452		9.4	
4,6-Dinitro-2-methylphenol	0.232	0.239		-3.0	
N-Nitrosodiphenylamine (1)	1.407	1.460		-3.7	
4-Bromophenyl-phenylether	0.250	0.253	0.100	-1.1	25.0
Hexachlorobenzene	0.314	0.320	0.100	-1.7	25.0
Pentachlorophenol	0.198	0.205	0.050	-3.3	25.0
Phenanthrene	1.130	1.160	0.700	-2.7	25.0
Anthracene	1.137	1.189	0.700	-4.6	25.0
Di-n-butylphthalate	1.862	1.921		-3.2	
Fluoranthene	1.202	1.237	0.600	-2.9	25.0
Pyrene	1.292	1.276	0.600	1.3	25.0
Butylbenzylphthalate	0.870	0.875		-0.6	
3,3'-Dichlorobenzidine	0.518	0.562		-8.5	
Benzo(a)anthracene	1.218	1.221	0.800	-0.3	25.0
Chrysene	1.220	1.214	0.700	0.5	25.0
bis(2-Ethylhexyl)phthalate	1.268	1.289		-1.7	
Di-n-octylphthalate	1.794	1.873		-4.4	
Benzo(b)fluoranthene	1.087	1.247	0.700	-14.8	25.0
Benzo(k)fluoranthene	1.162	1.107	0.700	4.8	25.0
Benzo(a)pyrene	0.959	0.998	0.700	-4.1	25.0
Indeno(1,2,3-cd)pyrene	0.832	0.741	0.500	10.9	25.0
Dibenzo(a,h)anthracene	0.581	0.521	0.400	10.3	25.0
Benzo(g,h,i)perylene	0.603	0.516	0.500	14.5	25.0
Benzoic Acid	0.792	0.989		-24.9	
Nitrobenzene-d5	0.406	0.423		-4.2	
2-Fluorobiphenyl	1.305	1.321	0.700	-1.3	25.0
Terphenyl-d14	0.934	0.919	0.500	1.6	25.0
Phenol-d5	1.656	1.691	0.800	-2.1	25.0
2-Fluorophenol	1.508	1.528	0.600	-1.3	25.0
2,4,6-Tribromophenol	0.299	0.285		4.6	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Instrument ID: 5972HP60 Calibration Date: 03/22/96 Time: 0308

Lab File ID: HG960322C60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	Samples
Phenol	1.794	1.810	0.800	-0.9	25.0	SBLK99
bis(2-Chloroethyl)ether	1.136	1.146	0.700	-0.9	25.0	RW-05
2-Chlorophenol	1.525	1.548	0.700	-1.5	25.0	RW-06
2-Methylphenol	1.227	1.230	0.700	-0.2	25.0	RW-15
2,2'-oxybis(1-Chloropropane)	1.952	1.941		0.6		RW-59
4-Methylphenol	2.313	2.348	0.600	-1.5	25.0	RW-29
N-Nitroso-di-n-propylamine	0.894	0.897	0.500	-0.3	25.0	RW-30
Hexachloroethane	0.789	0.803	0.300	-1.7	25.0	RW-45
Nitrobenzene	0.405	0.412	0.200	-1.7	25.0	RW-17
Isophorone	0.730	0.728	0.400	0.2	25.0	RW-46
2-Nitrophenol	0.237	0.237	0.100	-0.2	30.0	RW-46D
2,4-Dimethylphenol	0.378	0.377	0.200	0.3	30.0	RW-57
bis(2-Chloroethoxy)methane	0.382	0.379	0.300	0.8	25.0	SLCS98
2,4-Dichlorophenol	0.300	0.317	0.200	-5.7	25.0	RW-LD
1,2,4-Trichlorobenzene	0.316	0.321	0.200	-1.6	25.0	
Naphthalene	0.959	0.982	0.700	-2.4	25.0	
4-Chloroaniline	0.467	0.479		-2.6		
Hexachlorobutadiene	0.198	0.206		-3.8		
4-Chloro-3-methylphenol	0.293	0.297	0.200	-1.7	25.0	
2-Methylnaphthalene	0.645	0.647	0.400	-0.2	25.0	
Hexachlorocyclopentadiene	0.283	0.321		-13.4		
2,4,6-Trichlorophenol	0.419	0.431	0.200	-2.8	25.0	
2,4,5-Trichlorophenol	0.501	0.491	0.200	2.1	25.0	
2-Chloronaphthalene	1.212	1.220	0.800	-0.7	25.0	
2-Nitroaniline	0.566	0.543		4.1		
Dimethylphthalate	1.427	1.411		1.1		
Acenaphthylene	1.723	1.721	1.300	0.1	25.0	
2,6-Dinitrotoluene	0.359	0.357	0.200	0.7	25.0	
3-Nitroaniline	0.529	0.507		4.1		
Acenaphthene	1.174	1.148	0.800	2.3	25.0	
2,4-Dinitrophenol	0.242	0.245		-1.3		
4-Nitrophenol	0.329	0.331		-0.6		
Dibenzofuran	1.642	1.631	0.800	0.6	25.0	
2,4-Dinitrotoluene	0.429	0.441	0.200	-2.7	30.0	

All other compounds must meet a minimum RRF of 0.010.

7LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Instrument ID: 5972HP60 Calibration Date: 03/22/96 Time: 0308

Lab File ID: HG960322C60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Diethylphthalate	1.654	1.623		1.9	
4-Chlorophenyl-phenylether	0.546	0.555	0.400	-1.7	25.0
Fluorene	1.079	1.092	0.900	-1.2	25.0
4-Nitroaniline	0.499	0.464		7.0	
4,6-Dinitro-2-methylphenol	0.232	0.231		0.5	
N-Nitrosodiphenylamine (1)	1.407	1.449		-2.9	
4-Bromophenyl-phenylether	0.250	0.253	0.100	-1.3	25.0
Hexachlorobenzene	0.314	0.323	0.100	-2.9	25.0
Pentachlorophenol	0.198	0.198	0.050	0.2	25.0
Phenanthrene	1.130	1.159	0.700	-2.6	25.0
Anthracene	1.137	1.154	0.700	-1.5	25.0
Di-n-butylphthalate	1.862	1.901		-2.1	
Fluoranthene	1.202	1.248	0.600	-3.8	25.0
Pyrene	1.292	1.251	0.600	3.2	25.0
Butylbenzylphthalate	0.870	0.836		3.8	
3,3'-Dichlorobenzidine	0.518	0.533		-2.9	
Benzo(a)anthracene	1.218	1.195	0.800	1.9	25.0
Chrysene	1.220	1.251	0.700	-2.5	25.0
bis(2-Ethylhexyl)phthalate	1.268	1.231		2.9	
Di-n-octylphthalate	1.794	1.982		-10.4	
Benzo(b)fluoranthene	1.087	1.189	0.700	-9.4	25.0
Benzo(k)fluoranthene	1.162	1.148	0.700	1.2	25.0
Benzo(a)pyrene	0.959	0.987	0.700	-2.9	25.0
Indeno(1,2,3-cd)pyrene	0.832	0.836	0.500	-0.4	25.0
Dibenzo(a,h)anthracene	0.581	0.583	0.400	-0.3	25.0
Benzo(g,h,i)perylene	0.603	0.618	0.500	-2.5	25.0
Benzoic Acid	0.792	1.000		-26.3	25.0
Nitrobenzene-d5	0.406	0.415		-2.3	
2-Fluorobiphenyl	1.305	1.306	0.700	-0.1	25.0
Terphenyl-d14	0.934	0.872	0.500	6.6	25.0
Phenol-d5	1.656	1.672	0.800	-1.0	25.0
2-Fluorophenol	1.508	1.495	0.600	0.8	25.0
2,4,6-Tribromophenol	0.299	0.279		6.4	

(D.V) 5/13/96

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: 5972HP60 Calibration Date: 03/27/96 Time: 1055

Lab File ID: HG960327A60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol	1.794	1.762	0.800	1.8	25.0
bis(2-Chloroethyl)ether	1.136	1.108	0.700	2.5	25.0
2-Chlorophenol	1.525	1.501	0.700	1.5	25.0
2-Methylphenol	1.227	1.243	0.700	-1.3	25.0
2,2'-oxybis(1-Chloropropane)	1.952	1.927		1.3	
4-Methylphenol	2.313	2.428	0.600	-5.0	25.0
N-Nitroso-di-n-propylamine	0.894	0.849	0.500	5.1	25.0
Hexachloroethane	0.789	0.813	0.300	-3.0	25.0
Nitrobenzene	0.405	0.404	0.200	0.1	25.0
Isophorone	0.730	0.715	0.400	2.0	25.0
2-Nitrophenol	0.237	0.247	0.100	-4.3	30.0
2,4-Dimethylphenol	0.378	0.391	0.200	-3.4	30.0
bis(2-Chloroethoxy)methane	0.382	0.372	0.300	2.7	25.0
2,4-Dichlorophenol	0.300	0.312	0.200	-4.1	25.0
1,2,4-Trichlorobenzene	0.316	0.317	0.200	-0.4	25.0
Naphthalene	0.959	0.974	0.700	-1.6	25.0
4-Chloroaniline	0.467	0.497		-6.3	
Hexachlorobutadiene	0.198	0.201		-1.1	
4-Chloro-3-methylphenol	0.293	0.307	0.200	-4.9	25.0
2-Methylnaphthalene	0.645	0.655	0.400	-1.5	25.0
Hexachlorocyclopentadiene	0.283	0.305		-7.8	
2,4,6-Trichlorophenol	0.419	0.452	0.200	-7.7	25.0
2,4,5-Trichlorophenol	0.501	0.495	0.200	1.3	25.0
2-Chloronaphthalene	1.212	1.247	0.800	-2.9	25.0
2-Nitroaniline	0.566	0.543		4.2	
Dimethylphthalate	1.427	1.433		-0.4	
Acenaphthylene	1.723	1.794	1.300	-4.1	25.0
2,6-Dinitrotoluene	0.359	0.374	0.200	-4.2	25.0
3-Nitroaniline	0.529	0.520		1.8	
Acenaphthene	1.174	1.193	0.800	-1.6	25.0
2,4-Dinitrophenol	0.242	0.210		13.2	
4-Nitrophenol	0.329	0.306		7.2	
Dibenzofuran	1.642	1.672	0.800	-1.8	25.0
2,4-Dinitrotoluene	0.429	0.444	0.200	-3.3	30.0

All other compounds must meet a minimum RRF of 0.010.

Samples
SBLK89
SLCS90
RW-07
RW-10
RW-26
RW-31
RW-36
RW-68
RW-26-MS
RW-48
RW-09

7LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: 5972HP60 Calibration Date: 03/27/96 Time: 1055

Lab File ID: HG960327A60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Diethylphthalate	1.654	1.665		-0.6	
4-Chlorophenyl-phenylether	0.546	0.565	0.400	-3.5	25.0
Fluorene	1.079	1.115	0.900	-3.3	25.0
4-Nitroaniline	0.499	0.467		6.4	
4,6-Dinitro-2-methylphenol	0.232	0.203		12.6	
N-Nitrosodiphenylamine (1)	1.407	1.431		-1.7	
4-Bromophenyl-phenylether	0.250	0.257	0.100	-2.8	25.0
Hexachlorobenzene	0.314	0.318	0.100	-1.3	25.0
Pentachlorophenol	0.198	0.177	0.050	10.5	25.0
Phenanthrene	1.130	1.156	0.700	-2.3	25.0
Anthracene	1.137	1.152	0.700	-1.3	25.0
Di-n-butylphthalate	1.862	1.897		-1.9	
Fluoranthene	1.202	1.205	0.600	-0.2	25.0
Pyrene	1.292	1.609	0.600	-24.5	25.0
Butylbenzylphtha[illegible]e	0.870	1.004		-15.5	
3,3'-Dichlorobenz[illegible]ine	0.518	0.427		17.6	
Benzo(a)anthracene	1.218	1.248	0.800	-2.4	25.0
Chrysene	1.220	1.218	0.700	0.2	25.0
bis(2-Ethylhexyl)phthalate	1.268	1.359		-7.2	
Di-n-octylphthalate	1.794	3.199		-78.3	
Benzo(b)fluoranthene	1.087	1.245	0.700	-14.6	25.0
Benzo(k)fluoranthene	1.162	1.349	0.700	-16.1	25.0
Benzo(a)pyrene	0.959	1.003	0.700	-4.6	25.0
Indeno(1,2,3-cd)pyrene	0.832	0.711	0.500	14.6	25.0
Dibenzo(a,h)anthracene	0.581	0.511	0.400	12.2	25.0
Benzo(g,h,i)perylene	0.603	0.500	0.500	17.0	25.0
Benzoic Acid	0.792	0.624		21.2	
Nitrobenzene-d5	0.406	0.413		-1.9	
2-Fluorobiphenyl	1.305	1.336	0.700	-2.4	25.0
Terphenyl-d14	0.934	1.132	0.500	-21.2	25.0
Phenol-d5	1.656	1.665	0.800	-0.6	25.0
2-Fluorophenol	1.508	1.474	0.600	2.3	25.0
2,4,6-Tribromophenol	0.299	0.287		3.7	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: 5972HP60 Calibration Date: 03/28/96 Time: 0853

Lab File ID: HG960328A60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol	1.794	1.668	0.800	7.0	25.0
bis(2-Chloroethyl)ether	1.136	1.142	0.700	-0.5	25.0
2-Chlorophenol	1.525	1.516	0.700	0.5	25.0
2-Methylphenol	1.227	1.235	0.700	-0.6	25.0
2,2'-oxybis(1-Chloropropane)	1.952	1.944		0.4	
4-Methylphenol	2.313	2.680	0.600	-15.9	25.0
N-Nitroso-di-n-propylamine	0.894	0.950	0.500	-6.2	25.0
Hexachloroethane	0.789	0.853	0.300	-8.1	25.0
Nitrobenzene	0.405	0.410	0.200	-1.2	25.0
Isophorone	0.730	0.710	0.400	2.7	25.0
2-Nitrophenol	0.237	0.241	0.100	-1.8	30.0
2,4-Dimethylphenol	0.378	0.391	0.200	-3.3	30.0
bis(2-Chloroethoxy)methane	0.382	0.385	0.300	-0.6	25.0
2,4-Dichlorophenol	0.300	0.314	0.200	-4.7	25.0
1,2,4-Trichlorobenzene	0.316	0.329	0.200	-4.1	25.0
Naphthalene	0.959	0.970	0.700	-1.2	25.0
4-Chloroaniline	0.467	0.432		7.5	
Hexachlorobutadiene	0.198	0.207		-4.3	
4-Chloro-3-methylphenol	0.293	0.325	0.200	-11.0	25.0
2-Methylnaphthalene	0.645	0.643	0.400	0.3	25.0
Hexachlorocyclopentadiene	0.283	0.310		-9.4	
2,4,6-Trichlorophenol	0.419	0.456	0.200	-8.8	25.0
2,4,5-Trichlorophenol	0.501	0.533	0.200	-6.3	25.0
2-Chloronaphthalene	1.212	1.245	0.800	-2.7	25.0
2-Nitroaniline	0.566	0.556		1.8	
Dimethylphthalate	1.427	1.450		-1.6	
Acenaphthylene	1.723	1.755	1.300	-1.9	25.0
2,6-Dinitrotoluene	0.359	0.365	0.200	-1.6	25.0
3-Nitroaniline	0.529	0.458		13.5	
Acenaphthene	1.174	1.175	0.800	-0.1	25.0
2,4-Dinitrophenol	0.242	0.234		3.1	
4-Nitrophenol	0.329	0.328		0.6	
Dibenzofuran	1.642	1.640	0.800	0.1	25.0
2,4-Dinitrotoluene	0.429	0.432	0.200	-0.7	30.0

Samples
S BLK11
SLCS 10
RW-01
RW-17E
RW-14

All other compounds must meet a minimum RRF of 0.010.

7LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS CONTINUING CALIBRATION SUMMARY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: 00026

Instrument ID: 5972HP60 Calibration Date: 03/28/96 Time: 0853

Lab File ID: HG960328A60.D Init. Calibration Date(s): 03/21/96 03/21/96

Init. Calibration Times: 1146 1532

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Diethylphthalate	1.654	1.648		0.4	
4-Chlorophenyl-phenylether	0.546	0.585	0.400	-7.3	25.0
Fluorene	1.079	1.110	0.900	-2.9	25.0
4-Nitroaniline	0.499	0.408		18.1	
4,6-Dinitro-2-methylphenol	0.232	0.226		2.6	
N-Nitrosodiphenylamine (1)	1.407	1.451		-3.1	
4-Bromophenyl-phenylether	0.250	0.254	0.100	-1.6	25.0
Hexachlorobenzene	0.314	0.334	0.100	-6.4	25.0
Pentachlorophenol	0.198	0.198	0.050	-0.1	25.0
Phenanthrene	1.130	1.158	0.700	-2.5	25.0
Anthracene	1.137	1.126	0.700	0.9	25.0
Di-n-butylphthalate	1.862	1.964		-5.5	
Fluoranthene	1.202	1.165	0.600	3.1	25.0
Pyrene	1.292	1.332	0.600	-3.0	25.0
Butylbenzylphthalate	0.870	0.975		-12.1	
3,3'-Dichlorobenzidine	0.518	0.222		57.2	
Benzo(a)anthracene	1.218	1.209	0.800	0.8	25.0
Chrysene	1.220	1.219	0.700	0.1	25.0
bis(2-Ethylhexyl)phthalate	1.268	1.419		-12.0	
Di-n-octylphthalate	1.794	3.137		-74.8	
Benzo(b)fluoranthene	1.087	1.383	0.700	-27.3	25.0
Benzo(k)fluoranthene	1.162	1.246	0.700	-7.2	25.0
Benzo(a)pyrene	0.959	1.041	0.700	-8.5	25.0
Indeno(1,2,3-cd)pyrene	0.832	0.779	0.500	6.5	25.0
Dibenzo(a,h)anthracene	0.581	0.542	0.400	6.8	25.0
Benzo(g,h,i)perylene	0.603	0.553	0.500	8.3	25.0
Benzoic Acid	0.792	1.071		-35.3	
Nitrobenzene-d5	0.406	0.422		-4.1	
2-Fluorobiphenyl	1.305	1.325	0.700	-1.6	25.0
Terphenyl-d14	0.934	0.910	0.500	2.6	25.0
Phenol-d5	1.656	1.706	0.800	-3.1	25.0
2-Fluorophenol	1.508	1.407	0.600	6.7	25.0
2,4,6-Tribromophenol	0.299	0.293		1.9	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

DAS Number: R3232 RSCC Date: 02/02/96

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
DELIVERY OF ANALYTICAL SERVICES MASTER FORM

Site: KEYSTONE SANITATION			Data Validation Level: MIII	
Latitude: 30°43'30" North		Longitude: 77°02'25" West	Altitude: 243.84 meters	
Address: Union Township, Adams County, Pennsylvania 17331				
EPA Program: Superfund			Type of Activity: FUNDLEAD RI/FS	
EPA Account Number: 6TFA03N9L9			PRP Lab:	
Prepared by: Russell Sloboda			Phone Number: 610-971-0900	Fax No: 610-971-9715
EPA RPM: Christopher Corbett			Phone Number: 215-597-9800 (3HW24)	Fax No: 215-597-9890
Site Leader: William Wentworth			Phone Number: 610-971-0900	Fax No: 610-971-9715
EPA CO contact: David Senderling			Phone Number: 215-597-9800	Fax No: 215-597-9890
Contract Type: ARCS		Prime: Halliburton NUS Corporation	Sub:	
Concentration level:	Number of Samples:	Method Number:	Parameter:	Matrix:
LC	37	OLC 02.0 Low Concentration SOW	CLP TCL volatiles + dichlorodifluoromethane	Aq
LC	35	OLC 02.0 Low Concentration SOW	CLP TCL semivolatiles + benzoic acid	Aq
	35	OLC02.0 Low Concentration SOW	Pesticides/PCB's	Aq
Entered 5-25-96 JTS screen			14563	
Additional Comments: TCL plus 2 extra compounds; aqueous low detection limits				
Required TAT: 35 days			Carrier: Federal Express	
Date Cancelled/Extended:		Reason:		
Sampling Dates	From: February 21, 1996	To: March 7, 1996	Shipping Dates	From: February 21, 1996 To: March 7, 1996

1. Special/additional technical instructions: (if outside protocol requirements, specify compound names, CAS numbers, detection limits, etc.)

2. QC requirements: (specify method specific criteria for matrix spikes, duplicates,calibration, dilutions, performance evaluation material, laboratory control samples, detection or quantitation limits, method blanks, surrogates, internal standards, etc.) Any additional QC not stipulated in the method requirements are considered to be billable items.

The following criteria are to applied to the additional compounds:

Dichlorodifluormethane

Quantitation Ions:

	primary ion - 85	secondary ions - 87, 101, 103
Initial calibration criteria	% RSD = 20	Minimum relative response factor 0.01
Continuing calibration criteria	%Differance = 30	
Required detecion limit	1ug/l	

Benzoic Acid

Quantitation Ions:

	primary ion - 122	secondary ions - 105, 77,
Initial calibration criteria	% RSD = 30	Minimum relative response factor 0.01
Continuing calibration criteria	%Differance = 25	
Required detecion limit	25ug/l	

QC TYPE	FREQUENCY	ACCEPTANCE LIMITS

All QC requirements and corrective actions as per OLC02.0.

Request reviewer:

(Name) (Affiliation) (Date)

WESTON
5 Underwood Court, Delran, New Jersey 08075-1229
609-461-4003 • 215-238-0338 • Fax 609-461-4916

SITE ASSESSMENT TECHNICAL ASSISTANCE

EPA CONTRACT 68-S5-3002

RECEIVED 1996

8 May 1996

MEMO TO FILE
KEYSTONE LANDFILL DAS No. R3232

U.S. Environmental Protection Agency Region III
Regional Sample Control Center
201 Defense Highway, Suite 200
Annapolis, MD 21401
Attn: RSCC:

Dear Madam:

This memo to file is written to correct DAS R3232 for Keystone Landfill, to reflect that diclhorofluoromethane was mistakenly requested on the DAS Request for Bid instead of dichlorodifluoromehtane. Please note these changes.

Sincerely,

Roy F. Weston, Inc.

Marian Murphy

Marian Murphy
Analytical Procurement

cc: Regional Sample Control Center
EPA RPM Christopher Corbett
SATA TDD Files

MAY 1996
RECEIVED

To: Cindy Caporale, RPO

From: Judy Snyder, ESAT

Date: April 16, 1996

Re: Missing data for R3232, SDGs 00026, RW-02, RW-05

WA 0396005

On April 12, EPA received data from Compuchem Labs forwarded from Marian Murphy for DAS R3232 for the Keystone Sanitation site. The DAS requests and the Chain of Custodies all state that samples were to be analyzed for Voas and dichlorodifluoromethane as well as semivoas, benzoic acid and pest/pcbs. During the log-in process, it was noted there were no analytical results for dichlorodifluoromethane for any of the samples. ESAT contacted sampler Sid Curran of Gannett Fleming to inquire if the parameters had been changed, but Sid stated that that was not the case, and the dichlorodifluoromethane results should have been present. Attached are copies of the shipping logs and COC's. Please let me know the resolution of this problem, so that it can be placed with the data and recorded in the database. Thank you.

ENVIRONMENTAL PROTECTION AGENCY
Offi[illegible] Enforcement

REC[illegible]
Curtis Bldg., 6[illegible] Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ. NO.: 0986

PROJECT NAME: K.S.

SAMPLERS: (Signature) Lidy P Cuman

CUMPUCHEM
3306 CHAPEL HILL/NELSON HWY
RESEARCH TRIANGLE PARK, NC 27709

ATTN: RICHARD BLOOM
(919) 406-2401

REMARKS

EPA# DAS R3232 TAGS

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Low conc. VOA + 4 oz jar	Chl-Fe-Me	Low conc. 80-03 AMBER	PCB/PESTICIDES/HERBICIDES					TAGS	REMARKS
RW-02	3/11/96	0845		X	KS-RW-02	5	3	2						2320311R02	3-1084873 THRU 3-1084877	
RW-67	3/11/96	0935		X	KS-RW-67	5	3	2						2320311R67	~~3-1085701 THRU 3-1085705~~ 3-1084932 THRU 3-1084936	
RW-60	3/11/96	1025		X	KS-RW-60	5	3	2						2320311R60	3-1084935 THRU 3-1084939	DUPLICATE OF RW-60D
RW-60D	3/11/96	1025		X	KS-RW-60D	5	3	2						2320311R60D	3-1084940 THRU 3-1084944	DUPLICATE OF RW-60
RW-12	3/11/96	1125		X	KS-RW-12	5	3	2						2320311R12	3-2205901 THRU 3-2205905	
RW-13	3/11/96	1150		X	KS-RW-13	15	9	6						2320311R13	3-2205908 THRU 3-2205922	MS/MSD
RW-14	3/11/96	0950		X	KS-RW-14	5	3	2						2320311R14	3-2205929 THRU 3-2205933	
RW-16	3/11/96	0985		X	KS-RW-16	5	3	2						2320311R16	3-2205936 THRU 3-2205941	
RW-04	3/11/96	1340		X	KS-RW-04	5	3	2						2320311R04	3-1085701 THRU 3-1085705	
RW-11	3/11/96	1400		X	KS-RW-11	5	3	2						2320311R11	3-1085743 THRU 3-1085747	
RW-23	3/11/96	1535		X	KS-RW-23	5	3	2						2320311R23	3-1084964 THRU 3-1084968	
RW-02-FB	3/11/96	1100		X	KS-RW-02-FB	5	3	2						232031102F	3-1085601 THRU 3-1085605	FIELD BLANK
RW-02-TB	3/11/96	1100		X	KS-RW-02-TB	3	3							232031102T	3-1084947 THRU 3-1084949	TRIP BLANK
RW-03	3/11/96	1430		X	KS-RW-03	5	3	2						2320311R03	3-1084880 THRU 3-1084882, 3-1084884 THRU 3-1084890	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Lidy P Cuman	3/12/96 1200		MAR 1996		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				FED EX AIRBILL # 4405012640 DO QC 2320311R13	

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AR319883

IVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ. NO.: 0986
PROJECT NAME: L.S.
AMPLERS: (Signature) Jeff Carson

COMPUCHEM
3306 EAST CHAPEL HILL/NELSON HWY
RESEARCH TRIANGLE PARK, NC 27709
ATTN: RICHARD BLOOM
(919) 406-2401
DAS R3233

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	LOW CONC VOAS (Chl-E-dic)	LOW CONC. SV-SUBVOLS (SV-02 AMBER)	PESTICIDES/BNA/ACID				FEA #	TAG #	REMARKS
RW-06	3/13/96	0835		X	KS-RW-06	5	3	2					2320313R06	3-1085715 THRU 3-1085719	
RW-29	3/13/96	0900		X	KS-RW-29	5	3	2					2320313R29	3-1085622 THRU 3-1085626	
RW-57	3/13/96	0850		X	KS-RW-57	5	3	2					2320313R57	3-1084801 THRU 3-1084805	
RW-15	3/13/96	0935		X	KS-RW-15	5	3	2					2320313R15	3-1085608 THRU 3-1085612	
RW-30	3/13/96	0915		X	KS-RW-30	15	9	6					2320313R30	3-1085630 THRU 3-1085639, 3-1085641 THRU 3-1085645	MS/MSD
RW-17	3/13/96	1020		X	KS-RW-17	5	3	2					2320313R17	3-2205944 THRU 3-2205948	
RW-20	3/13/96	1055		X	KS-RW-20	5	3	2					2320313R20	3-1085615 THRU 3-1085619	
RW-05	3/13/96	1210		X	KS-RW-05	5	3	2					2320313R05	3-1085708 THRU 3-1085712	
RW-46	3/13/96	1805		X	KS-RW-46	5	3	2					2320313R46	3-1084911 THRU 3-1084915	DUPLICATE OF RW-46D
RW-46D	3/13/96	1805		X	KS-RW-46D	5	3	2					2320313R46D	3-1084918 THRU 3-1084922	DUPLICATE OF RW-46
RW-46-TB	3/13/96	0705		X	KS-RW-46-TB	3	3						2320313R46T	3-1084508 THRU 3-1084510	TRIP BLANK
RW-45	3/13/96	1040		X	KS-RW-45	5	3	2					2320313R45	3-1084818 THRU 3-1084822	
RW-59	3/13/96	1130		X	KS-RW-59	5	3	2					2320313R59	3-1084811 THRU 3-1084815	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Jeff Carson	3/14/96 1150		MAR 1996		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				FED EX AIRBILL # 4405012636 DO QC 2310313R30	

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ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

CHAIN OF CUSTODY RECORD

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

PROJ. NO.: 0986
PROJECT NAME: K.S.

SAMPLERS: (Signature) Bill Winterroot, Andy Carson

COMPUCHEM
3306 E. CHAPEL HILL/NELSON HWY.
RESEARCH TRIANGLE PARK, NC 27709
ATTN: RICHARD BLOOM
(919) 406-2401

REMARKS
DAS R3232

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Low conc VOA + 4oz ml vial	Cl-free Low conc. 80-02 amber	Bioassay-Benzene also				FDA #	TAG #	
RW-26-TB	3/19/96	0700		X	KS-RW-26-TB	3	3						23203192 6T	3-1084846 THRU 3-1084848	TRIP BLANK
RW-26-FB	3/19/96	1050		X	KS-RW-26-FB	5	3	2					23203192 6F	3-1085793 THRU 3-1085797	FIELD BLANK
RW-07	3/19/96	0920		X	KS-RW-07	5	3	2					23203192 07	3-1085729 THRU 3-1085733	
RW-09	3/19/96	0930		X	KS-RW-09	5	3	2					23203192 09	3-1084859 THRU 3-1084863	
RW-10	3/19/96	1020		X	KS-RW-10	5	3	2					23203192 10	3-1085736 THRU 3-1085740	
RW-26	3/19/96	0905		X	KS-RW-26	5	3	2					23203192 26	3-1084839 THRU 3-1084843	
RW-48	3/19/96	0945		X	KS-RW-48	5	3	2					23203192 48	3-1084825 THRU 3-1084829	
~~RW-55~~	~~3/19/96~~			~~X~~	~~KS-RW-55~~	~~5~~	~~3~~	~~2~~					23203192 55	~~3-1084823 THRU~~ 3-1084826	
RW-36	3/19/96	1325		X	KS-RW-36	5	3	2					23203192 36	3-1085786 THRU 3-1085790	
RW-68	3/19/96	1040		X	KS-RW-68	5	3	2					23203192 68	3-1085761 THRU 3-1085765	
RW-31	3/19/96	1100		X	KS-RW-31	5	3	2					23203192 31	3-1085756 THRU 3-1085760	
RW-01	3/19/96	1400		X	KS-RW-01	5	3	2					23203192 01	3-1084866 THRU 3-1084870	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bill Winterroot	3/20/96 1115				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				FED EX AIRBILL # 4405012625	

MAR 1996
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AR319885

PAGE 1 OF 1

QC

PAGE 1 OF 2

EPA SAMPLE SHIPPING LOG

(1) (REQUIRED FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM)

PROJECT SITE NAME: KEYSTONE SANITATION ; EPA PROJ. OFFICER: CHRIS CORBETT
RAS NO. _____ ; ~~SAS~~ DAS NO. R3232 ; TASK OR SET NO. _____
PROJECT SITE LEADER: STANLEY J. CURRAN ; PHONE NO. (410) 433-8832
PROJECT SAMPLE COORDINATOR: STANLEY J. CURRAN ; PHONE NO. (410) 433-8832

QC SAMPLE INFORMATION AND/OR COMMENTS	CONC. (LOW/MED./HIGH)	SAMPLE PHASE (AQ/SOL.)	TYPE OF REQUEST (ORG. DIO. OR INOR) SAS	EPA SAMPLE NO.	ORGANICS OR INORGANICS: LAB NAME	DATE SHIPPED	DATA RECEIVED (XX-OUT ITEMS NOT REQUESTED): VOA	BNA	PEST	TCOD	METALS	CN
(2)	(3)	(4)	(5)	(6)	(7)	(8)	←			(9)		→
	LOW	AQ	ORG	2320311R02								
				2320311R67								
DUPLICATE OF 2320311G0D				2320311R60								
DUPLICATE OF 2320311R60				2320311G0D								
				2320311R12								
DO QC				2320311R13								
				2320311R14								
				2320311R16								
				2320311R04								
				2320311R11								
				2320311R23								
FIELD BLANK				2320311G2F								
TRIP BLANK				2320311G2T								
				2320311R03								

~~SAS~~ DAS REQUEST (DETAILS REQUIRED)

(10) (1) LOW CONCENTRATION VOA + Cl_2F_2 Me **
(2) LOW CONCENTRATION PESTICIDES/BNA + BENZOIC ACID

LAB NAME	~~SAS~~ DAS REQUEST (ITEMIZE)	DATE SHIPPED	DATA REC'D. VOA	BNA	PEST
(11)	(12)	(13)			
COMPU	(1)(2)	03/12/96	✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	*	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)	rec'd 4-11-96	✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)(2)		✓	✓	✓
	(1)		✓	OK	
	(1)(2)		✓	✓	✓

* Missing Form I
** no analytical results found in data for Dichlorodifluoromethane

MAR 1996
RECEIVED

SPIAL SAMPLING: YES ☐ ; NO ☒ ; FINAL SHIPPING DATE: _____

AR319886

ISION 02/90

(1)

EPA SAMPLE SHIPPING LOG

(REQUIRED FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM)

PROJECT SITE NAME: KEYSTONE SANITATION ; EPA PROJ. OFFICER: CHRIS CORBETT
RAS NO. ; ~~SAS~~ DAS NO. R3232 ; TASK OR SET NO.
PROJECT SITE LEADER: SIDNEY J. CURRAN ; PHONE NO. (410) 433-8832
PROJECT SAMPLE COORDINATOR: SIDNEY J. CURRAN ; PHONE NO. (410) 433-8832

QC SAMPLE INFORMATION AND/OR COMMENTS	CONC. (LOW/ MED./ HIGH)	SAMPLE PHASE (AQ/ SOL.)	TYPE OF REQUEST (ORG, DIO, OR INOR) SAS	EPA SAMPLE NO.	ORGANICS OR INORGANICS: LAB NAME	DATE SHIPPED	DATA RECEIVED (XX-OUT ITEMS NOT REQUESTED): VOA	BNA	PEST	TCDD	METALS	CN
(2)	(3)	(4)	(5)	(6)	(7)	(8)	←			(9)		→
	LOW	AQ	ORG	2320313R0L								
				2320313R29								
				2320313R57								
				2320313R15								
DO QC				2320313R30								
				2320313R17								
				2320313R20								
				2320313R05								
DUPLICATE OF 2320313R46D				2320313R46								
DUPLICATE OF 2320313R46				2320313R46D								
TRIP BLANK				2320313R6T								
				2320313R49								
				2320313R59								

~~SAS~~ DAS REQUEST (DETAILS REQUIRED)

(10) (1) LOW CONCENTRATION VOA + Cl_2F_3Me *

(2) LOW CONCENTRATION PCB/PEST/BNA + BENZOIC ACID

LAB NAME	~~SAS~~ DAS REQUEST (ITEMIZE)	DATE SHIPPED	DATA REC'D.
(11)	(12)	(13)	rec'd DAS 4-11-96
COMPU	(1) (2)	03/14/96	✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓
	(1)		✓ —
	(1) (2)		✓ ✓ ✓
	(1) (2)		✓ ✓ ✓

APR 1996

* no analytical results found in data for dichlorofluoromethane

AL SAMPLING: YES ☐ ; NO ☒ ; FINAL SHIPPING DATE:

REVISION

AR319887

PAGE 1 OF 1

EPA SAMPLE SHIPPING LOG

(1) (REQUIRED FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM)

PROJECT SITE NAME: KEYSTONE SANITATION ; EPA PROJ. OFFICER: CHRIS CORBETT
RAS NO. _____ ; ~~SAS~~ DAS NO. R 3232 ; TASK OR SET NO. _____
PROJECT SITE LEADER: SIDNEY J. CURRAN ; PHONE NO. (410) 433-8832
PROJECT SAMPLE COORDINATOR: SIDNEY J. CURRAN ; PHONE NO. (410) 433-8832

~~SAS~~ DAS REQUEST (DETAILS REQUIRED)

(10) (1) LOW CONCENTRATION VOA + Cl_2 F_2 MC *

(2) LOW CONCENTRATION PCB/PEST/BNA + BENZOIC ACID

QC SAMPLE INFORMATION AND/OR COMMENTS	CONC. (LOW/MED./HIGH)	SAMPLE PHASE (AQ/SOL.)	TYPE OF REQUEST (ORG.DIO. OR INOR) SAS	EPA SAMPLE NO.	ORGANICS OR INORGANICS: LAB NAME	DATE SHIPPED	DATA RECEIVED (XX-OUT ITEMS NOT REQUESTED): VOA	BNA	PEST	TCDD	METALS	CN	LAB NAME	~~SAS~~ DAS REQUEST (ITEMIZE)	DATE SHIPPED	DATA REC'D. VOA	BNA	PEST
(2)	(3)	(4)	(5)	(6)	(7)	(8)	←			(9)		→	(11)	(12)	(13)			
TRIP BLANK	LOW	AQ	ORG	23203192 6T									COMPU	(1)	3/20/96	✓		
FIELD BLANK				23203192 6F										(1)(2)		✓	✓	✓
				23203192 07										(1)(2)		✓	✓	✓
				23203192 09										(1)(2)		✓	✓	✓
				23203192 10										(1)(2)		✓	✓	✓
				23203192 26										(1)(2)		✓	✓	✓
				23203192 48										(1)(2)		✓	✓	✓
				23203192 36										(1)(2)		✓	✓	✓
				23203192 68										(1)(2)		✓	✓	✓
				23203192 31										(1)(2)		✓	✓	✓
				23203192 01										(1)(2)		✓	✓	✓
													* no analytical results for Dichlorodifluoromethane					acid JB 4-11-96

MAR 1996
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AL SAMPLING: YES ☒ ; NO ☐ ; F... SHIPPING DATE: 3/20/96

...VISION
...2/90

AR319888

SDG RW02

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CORPORATION

SDG NARRATIVE

Case # R3232
SDG # RW02
Contract # R3232

Sample Identifications: RW-02, RW-02-FB, RW-02-TB, RW-03, RW-04, RW-11, RW-12, RW-13, RW-14, RW-16, RW-23, RW-60, RW-60D, RW-67

The fourteen liquid samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on March 14, 1996. The samples were scheduled for the requested analyses of the volatile fractions. These samples were analyzed following 10/92 protocol, with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) # 477.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # R3232, SDG # RW02 are included in the sample data sections.

VOLATILES:
Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the attached batch sheets.

The common laboratory solvent methylene chloride was identified above the Contract Required Quantitation Limit (CRQL) in RW-67. This solvent was also found in the associated method blank. A Tentatively Identified Compound (TIC) found in one of the samples was assessed as a laboratory artifact, and therefore may not be a sample constituent.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. One of them contained a level of the common laboratory solvent methylene chloride which was within allowable limits.

The associated Laboratory Control Sample (LCS) met all accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained i the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

COMPUCHEM
ENVIRONMENTAL
CORPORATION

Sarah A. Hubbard
Technical Reviewer
March 26, 1996

Note: This report is paginated for reference and accountability.

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

CASE # R3232
SDG # RW-02
CONTRACT # 3232

SAMPLE IDENTIFICATIONS: RW-02, RW-02-FB, RW-03, RW-04, RW-11, RW-12
RW-13, RW-14, RW-16, RW-23, RW-60, RW-60D, RW-67

The semivolatile fractions of the above thirteen (13) low concentration water samples were analyzed as requested. These samples were analyzed following the Superfund Analytical Method (SAM) 10/92, with the exceptions and additions described in the attached Project Profile Sheet (PPS) #477. This portion of the SDG narrative deals with the semivolatile fractions only. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case # R3232, SDG # RW-02 are included in the sample data sections.

Semivolatiles

Holding time requirements were met for the initial extraction of all of these samples. The initial extract of RW-14 was inadvertently spiked with the Laboratory Control Sample (LCS) spiking solution. The sample was re-extracted outside of holding times. The analysis of the second extract met all quality control criteria. We have reported only the analysis of the second extract of RW-14. The data from the analysis of the initial extract may be found in the Complete SDG File (CSF).

There was one phthalate Target Compound List (TCL) analyte identified above the Contract Required Quantitation Limit (CRQL) in RW-14. None of the other samples contained any TCL analytes above the CRQL. Five of these samples contained a Tentatively Identified Compound (TIC). The TICs found in these samples could be characterized as an unknown.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. Neither of the two method blanks contained any TCL analyte contamination. TICs were not found in either of these method blanks.

With two exceptions, both of the associated Laboratory Control Samples (LCSs) met all accuracy criteria. In each of these LCSs, recovery of n-nitrosodiphenylamine fell below the lower control limit. This is identified in the 10/92 SAM as a potentially problematic compound, for which corrective actions are not required.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael Steven Schapira 3/28/96

Michael Steven Schapira
Technical Reviewer
March 28, 1996

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE
CASE NUMBER: R3232
SDG NUMBER: RW-02
CONTRACT NUMBER: (10-92)REV8

SAMPLE IDENTIFICATIONS: RW-02, RW-02-FB, RW-03, RW-04, RW-11, RW-12, RW-13, RW-14, RW-16, RW-23, RW-60, RW-60D, RW-67

The thirteen (13) water samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on March 14, 1996. The samples were scheduled for the requested analyses of the volatile, semi-volatile, and the pesticide/PCB fractions. These samples were analyzed following the Superfund Analytical Methods (SAM) protocol. This portion of the SDG narrative deals with the pesticide/PCB fraction only.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case Number R3232, SDG Number RW-02 are included in the sample data sections.

PESTICIDES/PCBs

Extraction and analysis holding time requirements were met for all of these samples. With two exceptions, there were no pesticide/PCB target compound list (TCL) analytes confirmed by dual column above the contract required quantitation limit (CRQL) in any of these samples. In sample RW-02, there were a few single component pesticide and chlordane TCL analytes confirmed above the CRQL at varying concentrations.

All advisory surrogate recovery criteria for decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) were met for these samples on both the RTX-1701 and the DB-608 analytical columns.

In the analyses of the Calibration Standards, the operator performed manual integrations and/or manual edits of one or more of the TCL analytes. These manual integrations or edits are indicated by the "M" flag present on the process files. An extracted ion current profile (EICP) was provided for each analyte requiring a manual integration or a manual edit. As noted on the process files by number, these manual edits and/or manual integrations were required for the following reasons: 1) TCL analytes were initially not found by the automatic integration routine, 2) TCL analytes were incorrectly integrated by the automatic integration routine, 3) the operator selected an alternate peak within the retention time window for a particular TCL analyte than that chosen by the computer software. The

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explanations for the manual integrations and/or manual edits are summarized in a quality assurance notice which is located in the narrative section of the data package.

The associated method blanks met all quality control criteria. The method blanks PBLK26 and PBLK34 did not contain any target analytes. The method blank PBLK27 contained levels of the target analytes delta-BHC and endosulfan sulfate within allowable limits. The associated laboratory control sample, PLCS26, met all accuracy criteria.

RW-30 was used as the original sample to prepare the duplicate matrix spikes. Since this SDG was analyzed following the 10/92 SAM, we are unable to produce a Form III for the duplicate matrix spikes due to a software limitation. In accordance with the 10/92 SAM, the analysis of duplicate matrix spikes is not required. A Form III has been provided for the method required LCS.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Cynthia E. Edwards 03/31/96
Cynthia E. Edwards
Final Technical Reviewer
March 31, 1996

Note: This report is paginated for reference and accountability.

3LCB

LOW CONC. WATER SEMIVOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790609 LCS Lot No.: 44329

Lab File ID: GR090609A60.D Date Extracted: 03/26/96

LCS Aliquot: 1000 (uL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

injection Volume: 1.0 (uL) pH: ____

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
Phenol	40000	26110	65	40-120
bis(2-Chloroethyl)ether	20000	14520	73	50-110
2-Chlorophenol	40000	26610	66	50-110
N-Nitroso-di-n-propylamine	20000	15800	79	30-110
Hexachloroethane	20000	13350	67	20-110
Isophorone	20000	14660	73	50-110
1,2,4-Trichlorobenzene	20000	13970	70	40-100
Naphthalene	20000	15210	76	30-110
4-Chloroaniline	40000	22800	57	10-120
2,4,6-Trichlorophenol	40000	24690	62	40-120
2,4-Dinitrotoluene	20000	12650	63	30-120
Diethylphthalate	20000	15740	79	50-120
N-Nitrosodiphenylamine	20000	4090	20 *	30-110
Hexachlorobenzene	20000	13840	69	40-120
Benzo(a)pyrene	20000	14580	73	50-120

Column to be used to flag LCS recovery with an asterisk.
* Values outside of QC limits.

LCS Recovery: 1 outside limits out of 15 total.

COMMENTS: _____

FORM III LCSV 10/92

3LCB

LOW CONC. WATER SEMIVOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS20

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW02

Lab Sample ID: 790743 LCS Lot No.: 44329

Lab File ID: GH090743C60.D Date Extracted: 03/18/96

LCS Aliquot: 1000 (uL) Date Analyzed: 03/21/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

injection Volume: 1.0 (uL) pH: ____

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
Phenol	40000	25440	64	40-120
bis(2-Chloroethyl)ether	20000	14810	74	50-110
2-Chlorophenol	40000	27320	68	50-110
N-Nitroso-di-n-propylamine	20000	16290	81	30-110
Hexachloroethane	20000	9120	46	20-110
Isophorone	20000	14280	71	50-110
1,2,4-Trichlorobenzene	20000	11580	58	40-100
Naphthalene	20000	14470	72	30-110
4-Chloroaniline	40000	24320	61	10-120
2,4,6-Trichlorophenol	40000	26720	67	40-120
2,4-Dinitrotoluene	20000	11140	56	30-120
Diethylphthalate	20000	14690	73	50-120
N-Nitrosodiphenylamine	20000	4470	22 *	30-110
Hexachlorobenzene	20000	11790	59	40-120
Benzo(a)pyrene	20000	11670	58	50-120

Column to be used to flag LCS recovery with an asterisk.
* Values outside of QC limits.

LCS Recovery: 1 outside limits out of 15 total.

COMMENTS: _____

FORM III LCSV 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-02

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790603 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	9.63	9.56	9.66	0.080	
	2	6.84	6.77	6.87	0.094	17.5
Heptachlor epoxide	1	11.95	11.85	11.99	0.079	
	2	9.32	9.21	9.35	0.096	21.5
gamma-Chlordane	1	12.58	12.48	12.62	0.12	
	2	9.64	9.54	9.68	0.098	22.4
4,4'-DDE	1	12.80	12.70	12.84	0.17	
	2	10.51	10.40	10.54	0.12	41.7
Dieldrin	1	13.18	13.08	13.22	0.16	
	2	10.61	10.51	10.65	0.092	73.9
Endrin	1	13.60	13.50	13.64	0.15	
	2	11.32	11.22	11.36	0.17	13.3
Endrin aldehyde	1	15.50	15.40	15.54	0.0034	
	2	12.32	12.21	12.35	0.0061	79.4
Endosulfan sulfate	1	16.35	16.24	16.38	0.16	
	2	12.56	12.45	12.59	0.19	18.8

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-02

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790603 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin ketone	1	17.60	17.49	17.63	0.0084	
	2	14.00	13.90	14.04	0.0086	2.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-02-FB

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790623 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDD	1	11.57	11.49	11.63	0.00066	
	2	14.25	14.20	14.34	0.0054	718.2
Endosulfan II	1	11.70	11.58	11.72	0.0014	
	2	14.51	14.42	14.56	0.0020	42.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-03

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790608 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDD	1	11.56	11.49	11.63	0.00053	
	2	14.22	14.20	14.34	0.0052	881.1
Endosulfan sulfate	1	12.50	12.45	12.59	0.0013	
	2	16.31	16.24	16.38	0.0037	184.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-04

Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790613 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor	1	7.48	7.43	7.53	0.00091	
	2	10.04	9.97	10.07	0.0020	119.8
delta-BHC	1	7.74	7.68	7.78	0.00073	
	2	11.61	11.51	11.61	0.0014	91.8
gamma-Chlordane	1	9.62	9.54	9.68	0.0069	
	2	12.57	12.48	12.62	0.0067	3.0
alpha-Chlordane	1	9.94	9.86	10.00	0.0029	
	2	12.69	12.60	12.74	0.0096	231.0
ldrin	1	10.59	10.51	10.65	0.075	
	2	13.17	13.08	13.22	0.076	1.3
4,4'-DDT	1	12.17	12.07	12.21	0.0017	
	2	14.64	14.54	14.68	0.0025	47.1
Endrin ketone	1	13.98	13.90	14.04	0.0033	
	2	17.59	17.49	17.63	0.0024	37.5
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-12

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790615 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-Chlordane	1	9.63	9.54	9.68	0.00063	
	2	12.57	12.48	12.62	0.0022	249.2
4,4'-DDT	1	12.15	12.07	12.21	0.00083	
	2	14.63	14.54	14.68	0.0021	153.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-14

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790617 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.76	7.68	7.78	0.00039	
	2	11.61	11.51	11.61	0.0012	207.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-16

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790618 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	8.08	8.08	8.18	0.00055	
	2	10.55	10.52	10.62	0.0010	81.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-67

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-02

Lab Sample ID : 790622 Date(s) Analyzed: 03/18/96 03/18/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-Chlordane	1	9.93	9.86	10.00	0.0014	
	2	12.64	12.60	12.74	0.0018	28.6
Dieldrin	1	10.59	10.51	10.65	0.00048	
	2	13.15	13.08	13.22	0.0030	525.0
Endrin	1	11.30	11.22	11.36	0.028	
	2	13.58	13.50	13.64	0.0063	344.4
Endosulfan II	1	11.69	11.58	11.72	0.0098	
	2	14.50	14.42	14.56	0.020	104.1
4,4'-DDT	1	12.13	12.07	12.21	0.0072	
	2	14.59	14.54	14.68	0.0098	36.1
Endrin aldehyde	1	12.32	12.21	12.35	0.017	
	2	15.42	15.40	15.54	0.0042	304.8
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PLCS26

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-~~05~~ 02 SL 3.30.96

Lab Sample ID : 790610 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.16	10.12	10.22	0.090	
	2	6.82	6.78	6.88	0.092	2.2
Heptachlor	1	10.61	10.56	10.66	0.00093	
	2	7.49	7.46	7.56	0.0011	18.3
Heptachlor epoxide	1	12.59	12.51	12.65	0.084	
	2	9.38	9.30	9.44	0.087	3.6
gamma-Chlordane	1	13.24	13.16	13.30	0.099	
	2	9.72	9.64	9.78	0.089	11.2
4,4'-DDE	1	13.47	13.39	13.53	0.19	
	2	10.63	10.55	10.69	0.16	18.8
Endrin	1	14.31	14.24	14.38	0.18	
	2	11.45	11.39	11.53	0.19	5.6
Endrin aldehyde	1	16.35	16.27	16.41	0.0045	
	2	12.50	12.42	12.56	0.0055	22.2
Endosulfan sulfate	1	17.26	17.18	17.32	0.17	
	2	12.75	12.67	12.81	0.17	0.0

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PLCS26

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-~~05~~ 02 SR 3-30-96

Lab Sample ID : 790610 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin ketone	1	18.63	18.54	18.68	0.0082	
	2	14.23	14.16	14.30	0.0095	15.9
Dieldrin	1	13.87	13.80	13.94	0.19	
	2	10.75	10.66	10.80	0.19	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MS

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05 02 SA 3.30.96

Lab Sample ID : 791871 Date(s) Analyzed: 03/28/96 03/28/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	9.59	9.56	9.66	0.093	
	2	6.80	6.77	6.87	0.10	7.5
Heptachlor epoxide	1	11.91	11.85	11.99	0.091	
	2	9.28	9.21	9.35	0.10	9.9
gamma-Chlordane	1	12.54	12.48	12.62	0.13	
	2	9.60	9.54	9.68	0.11	18.2
eldrin	1	13.14	13.08	13.22	0.18	
	2	10.63	10.51	10.65	0.21	16.7
Endrin	1	13.55	13.50	13.64	0.17	
	2	11.28	11.22	11.36	0.19	11.8
Endosulfan sulfate	1	16.28	16.24	16.38	0.18	
	2	12.52	12.45	12.59	0.21	16.7
4,4'-DDE	1	12.76	12.70	12.84	0.20	
	2	10.46	10.40	10.54	0.19	5.3
delta-BHC	1	11.58	11.51	11.61	0.0018	
	2	7.74	7.68	7.78	0.00025	620.0

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MS

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-~~05~~ 02 SR 3 30.46

Lab Sample ID : 791871 Date(s) Analyzed: 03/28/96 03/28/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	15.44	15.40	15.54	0.010	
	2	12.28	12.21	12.35	0.0085	17.6
Endrin ketone	1	17.52	17.49	17.63	0.0099	
	2	13.95	13.90	14.04	0.012	21.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MSD

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-~~05~~ 03 SR 3-30-96

Lab Sample ID : 790906 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.29	9.25	9.35	0.00071	
	2	5.96	5.93	6.03	0.00095	~~33.8~~
gamma-BHC (Lindane)	1	10.16	10.12	10.22	0.091	
	2	6.82	6.78	6.88	0.092	1.1
delta-BHC	1	12.21	12.13	12.23	0.0024	
	2	7.79	7.73	7.83	0.00066	263.6
Heptachlor epoxide	1	12.59	12.51	12.65	0.085	
	2	9.37	9.30	9.44	0.088	3.5
gamma-Chlordane	1	13.24	13.16	13.30	0.10	
	2	9.72	9.64	9.78	0.090	11.1
4,4'-DDE	1	13.47	13.39	13.53	0.19	
	2	10.62	10.55	10.69	0.16	18.8
Dieldrin	1	13.87	13.80	13.94	0.19	
	2	10.71	10.66	10.80	0.20	5.3
Endrin	1	14.31	14.24	14.38	0.19	
	2	11.45	11.39	11.53	0.19	0.0

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MSD

Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05 03 SR 3.30.96

Lab Sample ID : 790906 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	16.34	16.27	16.41	0.0051	
	2	12.50	12.42	12.56	0.0056	9.8
Endosulfan sulfate	1	17.26	17.18	17.32	0.18	
	2	12.75	12.67	12.81	0.18	0.0
Endrin ketone	1	18.62	18.54	18.68	0.0080	
	2	14.23	14.16	14.30	0.0098	22.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X LCP-1 10/92

SDG RW05

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

Case # R3232
SDG # RW05
Contract # R3232

Sample Identifications: RW-05, RW-06, RW-15, RW-17, RW-20, RW-29, RW-30, RW-45, RW-46, RW-46D, RW-46-TB, RW-57, RW-59

The thirteen liquid samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on March 15, 1996. The samples were scheduled for the requested analyses of the volatile fractions. These samples were analyzed following 10/92 protocol, with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) # 477.

All pertinent Quality Assurance notices are included in the narrative section or the sample data sections, and all pertinent Laboratory notices for Case # R3232, SDG # RW05 are included in the sample data sections.

VOLATILES:
Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the attached batch sheets.

There were a few chlorinated hydrocarbon Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in RW-17 and RW-57. A Tentatively Identified Compounds (TIC) found in one of the samples was characterized as a laboratory artifact, and therefore may not be a sample constituent.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. One of them contained a level of the common laboratory solvent methylene chloride which was within allowable limits.

The associated Laboratory Control Sample (LCS) met all accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

COMPUCHEM
ENVIRONMENTAL
CORPORATION

Sarah A. Hubbard
Technical Reviewer
March 26, 1996

Note: This report is paginated for reference and accountability.

COMPUCHEM
ENVIRONMENTAL
CORPORATION

SDG NARRATIVE

CASE # R3232
SDG # RW-05
CONTRACT # 3232

SAMPLE IDENTIFICATIONS: RW-05, RW-06, RW-15, RW-17, RW-20, RW-29, RW-30, RW-45, RW-46, RW-46D, RW-57, RW59

The semivolatile fractions of the twelve (12) water samples listed above were scheduled for the analysis as requested.. These samples were analyzed following the Superfund Analytical Method (SAM) 10/92 protocol, with the exceptions and/or additions described in the attached Project Profile Sheet (PPS) #477. This portion of the SDG narrative deals with the semivolatile fractions only. For the receiving information associated with these samples, please refer to the volatile SDG narrative.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case # R3232, SDG # RW-05 are included in the sample data sections.

Semivolatiles

Holding time requirements were met for the initial extractions of all of these samples. Surrogate recovery criteria were not met in the analysis of the initial extract of RW-17. The sample was re-extracted outside of holding times. The analysis of the second extract met all quality control criteria. The TCL analyte and TIC results matched well between the two analyses. We have reported both analyses of RW-17.

There were no semivolatile Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in any of these samples. No Tentatively Identified Compounds (TICs) were found in these samples.

All of the surrogates in samples not previously discussed met recovery criteria. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. Neither of these two method blanks contained any TCL analyte contamination. TICs were not found in either of these method blanks.

With two exceptions, the two associated Laboratory Control Samples (LCSs) met all accuracy criteria. In both of these LCSs, recovery of n-nitrosodiphenylamine fell below the minimum control limit. This is identified in the 10/92 SAM as a potentially problematic compound, for which corrective actions are not required.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael Steven Schapira 3/29/96

Michael Steven Schapira
Technical Reviewer
March 29, 1996

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SDG NARRATIVE
CASE NUMBER: R3232
SDG NUMBER: RW-05
CONTRACT NUMBER: (10-92)REVS

SAMPLE IDENTIFICATIONS: RW-05, RW-06, RW-15, RW-17, RW-20, RW-29, RW-30, RW-45, RW-46, RW46D, RW-57, RW-59

The twelve (12) water samples listed above were received intact, properly refrigerated, with proper documentation, in a sealed shipping container, on March 15, 1996. The samples were scheduled for the requested analyses of the volatile, semi-volatile, and the pesticide/PCB fractions. These samples were analyzed following the Superfund Analytical Methods (SAM) protocol. This portion of the SDG narrative deals with the pesticide/PCB fraction only.

All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for Case Number R3232, SDG Number RW-05 are included in the sample data sections.

PESTICIDES/PCBs

Extraction and analysis holding time requirements were met for all of these samples. There were no pesticide/PCB target compound list (TCL) analytes confirmed by dual column above the contract required quantitation limit (CRQL) in any of these samples.

All advisory surrogate recovery criteria for decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) were met for these samples on both the RTX-1701 and the DB-608 analytical columns.

In the analyses of the Calibration Standards, the operator performed manual integrations and/or manual edits of one or more of the TCL analytes. These manual integrations or edits are indicated by the "M" flag present on the process files. An extracted ion current profile (EICP) was provided for each analyte requiring a manual integration or a manual edit. As noted on the process files by number, these manual edits and/or manual integrations were required for the following reasons: 1) TCL analytes were initially not found by the automatic integration routine, 2) TCL analytes were incorrectly integrated by the automatic integration routine, 3) the operator selected an alternate peak within the retention time window for a particular TCL analyte than that chosen by the computer software. The explanations for the manual integrations and/or manual edits are

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summarized in a quality assurance notice which is located in the narrative section of the data package.

The associated method blanks met all quality control criteria. The method blank PBLK26 did not contain any target analytes. The method blank PBLK27 contained levels of the target analytes delta-BHC and endosulfan sulfate within allowable limits. The associated laboratory control sample, PLCS26, met all accuracy criteria.

RW-30 was used as the original sample to prepare the duplicate matrix spikes. Since this SDG was analyzed following the 10/92 SAM, we are unable to produce a Form III for the duplicate matrix spikes due to a software limitation. In accordance with the 10/92 SAM, the analysis of duplicate matrix spikes is not required. A Form III has been provided for the method required LCS.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Cynthia E. Edwards 03/30/96
Cynthia E. Edwards
Final Technical Reviewer
March 30, 1996

Note: This report is paginated for reference and accountability.

2LCB
LOW CONC. WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

	EPA SAMPLE NO.	NBZ %REC #	FBP %REC #	TPH %REC #	PHL %REC #	2FP %REC #	TBP %REC #	OTHER	TOT OUT
01	RW-05	77	77	85	76	72	59		0
02	RW-06	61	61	79	61	55	55		0
03	RW-15	52	54	64	51	47	42		0
04	RW-17	26*	31*	51	26	23	30		2
05	RW-17RE	68	68	91	65	63	56		0
06	RW-20	45	47	55	45	43	36		0
07	RW-29	65	66	70	64	62	53		0
08	RW-30	65	66	69	63	59	53		0
09	RW-45	58	61	70	58	53	51		0
10	RW-46	67	65	77	64	59	55		0
11	RW-46D	65	64	66	62	59	51		0
12	RW-57	67	67	69	64	61	52		0
13	RW-59	70	71	82	67	64	53		0
14	SBLK11	85	82	101	81	72	55		0
15	SBLK99	66	66	77	66	64	52		0
16	SLCS10	81	80	87	76	70	55		0
17	SLCS98	60	67	84	57	52	57		0
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

	QC LIMITS %REC
NBZ = Nitrobenzene-d5	(40-112)
FBP = 2-Fluorobiphenyl	(42-110)
TPH = Terphenyl-d14	(24-140)
PHL = Phenol-d5	(17-113)
2FP = 2-Fluorophenol	(16-110)
TBP = 2,4,6-Tribromophenol	(18-126)

Column to be used to flag recovery values.
* Values outside of contract required QC limits.
D Surrogate diluted out.

3LCB

LOW CONC. WATER SEMIVOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS10

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 790609 LCS Lot No.: 44329

Lab File ID: GR090609A60.D Date Extracted: 03/26/96

LCS Aliquot: 1000 (uL) Date Analyzed: 03/28/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

injection Volume: 1.0 (uL) pH: ____

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
Phenol	40000	26110	65	40-120
bis(2-Chloroethyl)ether	20000	14520	73	50-110
2-Chlorophenol	40000	26610	66	50-110
N-Nitroso-di-n-propylamine	20000	15800	79	30-110
Hexachloroethane	20000	13350	67	20-110
Isophorone	20000	14660	73	50-110
1,2,4-Trichlorobenzene	20000	13970	70	40-100
Naphthalene	20000	15210	76	30-110
4-Chloroaniline	40000	22800	57	10-120
2,4,6-Trichlorophenol	40000	24690	62	40-120
2,4-Dinitrotoluene	20000	12650	63	30-120
Diethylphthalate	20000	15740	79	50-120
N-Nitrosodiphenylamine	20000	4090	20 *	30-110
Hexachlorobenzene	20000	13840	69	40-120
Benzo(a)pyrene	20000	14580	73	50-120

Column to be used to flag LCS recovery with an asterisk.
* Values outside of QC limits.

LCS Recovery: 1 outside limits out of 15 total.

COMMENTS: _____

FORM III LCSV 10/92

3LCB

LOW CONC. WATER SEMIVOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS98

Lab Name: COMPUCHEM ENV. CORP. Contract: 3232

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW05

Lab Sample ID: 791591 LCS Lot No.: 44329

Lab File ID: GJ091591A60.D Date Extracted: 03/20/96

LCS Aliquot: 1000 (uL) Date Analyzed: 03/22/96

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

injection Volume: 1.0 (uL) pH: ____

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
Phenol	40000	19150	48	40-120
bis(2-Chloroethyl)ether	20000	11110	56	50-110
2-Chlorophenol	40000	20480	51	50-110
N-Nitroso-di-n-propylamine	20000	13580	68	30-110
Hexachloroethane	20000	10060	50	20-110
Isophorone	20000	11680	58	50-110
1,2,4-Trichlorobenzene	20000	11250	56	40-100
Naphthalene	20000	12190	61	30-110
4-Chloroaniline	40000	20610	52	10-120
2,4,6-Trichlorophenol	40000	21600	54	40-120
2,4-Dinitrotoluene	20000	10550	53	30-120
Diethylphthalate	20000	15470	77	50-120
N-Nitrosodiphenylamine	20000	4690	23 *	30-110
Hexachlorobenzene	20000	11300	56	40-120
Benzo(a)pyrene	20000	14850	74	50-120

Column to be used to flag LCS recovery with an asterisk.
* Values outside of QC limits.

LCS Recovery: 1 outside limits out of 15 total.

COMMENTS: _____

10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-06

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790895 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN29 Instrument ID (2): VARIAN30

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.78	7.73	7.83	0.00092	
	2	12.21	12.13	12.23	0.0029	215.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-20

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790898 Date(s) Analyzed: 03/25/96 03/25/96

Instrument ID (1): VARIAN29 Instrument ID (2): VARIAN30

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.78	7.73	7.83	0.00058	
	2	12.21	12.13	12.23	0.0057	882.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30

Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790900 Date(s) Analyzed: 03/25/96 03/25/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	12.21	12.13	12.23	0.0016	
	2	7.80	7.73	7.83	0.0017	6.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-45

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790904 Date(s) Analyzed: 03/25/96 03/25/96

Instrument ID (1): VARIAN29 Instrument ID (2): VARIAN30

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.79	7.73	7.83	0.00056	
	2	12.21	12.13	12.23	0.00076	35.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-46

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790907 Date(s) Analyzed: 03/25/96 03/25/96

Instrument ID (1): VARIAN29 Instrument ID (2): VARIAN30

GC Column(1): DB-608 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.79	7.73	7.83	0.00081	
	2	12.13	12.13	12.23	0.0039	381.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-59

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790911 Date(s) Analyzed: 03/25/96 03/25/96

Instrument ID (1): VARIAN29 Instrument ID (2): VARIAN30

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.78	7.73	7.83	0.00083	
	2	12.20	12.13	12.23	0.0015	80.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBLK27

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 791845 R1 Date(s) Analyzed: 03/28/96 03/28/96

Instrument ID (1): VARIAN13 Instrument ID (2): VARIAN14

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	7.73	7.68	7.78	0.00033	
	2	11.57	11.51	11.61	0.0011	233.3
Endosulfan sulfate	1	12.57	12.45	12.59	0.014	
	2	16.26	16.24	16.38	0.0033	324.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PLCS26

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790610 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.16	10.12	10.22	0.090	
	2	6.82	6.78	6.88	0.092	2.2
Heptachlor	1	10.61	10.56	10.66	0.00093	
	2	7.49	7.46	7.56	0.0011	18.3
Heptachlor epoxide	1	12.59	12.51	12.65	0.084	
	2	9.38	9.30	9.44	0.087	3.6
gamma-Chlordane	1	13.24	13.16	13.30	0.099	
	2	9.72	9.64	9.78	0.089	11.2
4,4'-DDE	1	13.47	13.39	13.53	0.19	
	2	10.63	10.55	10.69	0.16	18.8
Endrin	1	14.31	14.24	14.38	0.18	
	2	11.45	11.39	11.53	0.19	5.6
Endrin aldehyde	1	16.35	16.27	16.41	0.0045	
	2	12.50	12.42	12.56	0.0055	22.2
Endosulfan sulfate	1	17.26	17.18	17.32	0.17	
	2	12.75	12.67	12.81	0.17	0.0

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PLCS26

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790610 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin ketone	1	18.63	18.54	18.68	0.0082	
	2	14.23	14.16	14.30	0.0095	15.9
Dieldrin	1	13.87	13.80	13.94	0.19	
	2	10.75	10.66	10.80	0.19	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MS

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 791871 Date(s) Analyzed: 03/28/96 03/28/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	9.59	9.56	9.66	0.093	
	2	6.80	6.77	6.87	0.10	7.5
Heptachlor epoxide	1	11.91	11.85	11.99	0.091	
	2	9.28	9.21	9.35	0.10	9.9
gamma-Chlordane	1	12.54	12.48	12.62	0.13	
	2	9.60	9.54	9.68	0.11	18.2
Dieldrin	1	13.14	13.08	13.22	0.18	
	2	10.63	10.51	10.65	0.21	16.7
Endrin	1	13.55	13.50	13.64	0.17	
	2	11.28	11.22	11.36	0.19	11.8
Endosulfan sulfate	1	16.28	16.24	16.38	0.18	
	2	12.52	12.45	12.59	0.21	16.7
4,4'-DDE	1	12.76	12.70	12.84	0.20	
	2	10.46	10.40	10.54	0.19	5.3
delta-BHC	1	11.58	11.51	11.61	0.0018	
	2	7.74	7.68	7.78	0.00025	620.0

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MS

Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 791871 Date(s) Analyzed: 03/28/96 03/28/96

Instrument ID (1): VARIAN14 Instrument ID (2): VARIAN13

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	15.44	15.40	15.54	0.010	
	2	12.28	12.21	12.35	0.0085	17.6
Endrin ketone	1	17.52	17.49	17.63	0.0099	
	2	13.95	13.90	14.04	0.012	21.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MSD

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790906 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.29	9.25	9.35	0.00071	
	2	5.96	5.93	6.03	0.00095	33.8
gamma-BHC (Lindane)	1	10.16	10.12	10.22	0.091	
	2	6.82	6.78	6.88	0.092	1.1
delta-BHC	1	12.21	12.13	12.23	0.0024	
	2	7.79	7.73	7.83	0.00066	263.6
Heptachlor epoxide	1	12.59	12.51	12.65	0.085	
	2	9.37	9.30	9.44	0.088	3.5
gamma-Chlordane	1	13.24	13.16	13.30	0.10	
	2	9.72	9.64	9.78	0.090	11.1
4,4'-DDE	1	13.47	13.39	13.53	0.19	
	2	10.62	10.55	10.69	0.16	18.8
Dieldrin	1	13.87	13.80	13.94	0.19	
	2	10.71	10.66	10.80	0.20	5.3
Endrin	1	14.31	14.24	14.38	0.19	
	2	11.45	11.39	11.53	0.19	0.0

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10LCA
LOW CONC. WATER PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RW-30MSD

Lab Name: COMPUCHEM ENV. CORP. Contract: (10-92)-REV

Lab Code: COMPU Case No.: R3232 SAS No.: SDG No.: RW-05

Lab Sample ID : 790906 Date(s) Analyzed: 03/24/96 03/24/96

Instrument ID (1): VARIAN30 Instrument ID (2): VARIAN29

GC Column(1): RTX-1701 ID: 0.53 (mm) GC Column(2): DB-608 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	16.34	16.27	16.41	0.0051	
	2	12.50	12.42	12.56	0.0056	9.8
Endosulfan sulfate	1	17.26	17.18	17.32	0.18	
	2	12.75	12.67	12.81	0.18	0.0
Endrin ketone	1	18.62	18.54	18.68	0.0080	
	2	14.23	14.16	14.30	0.0098	22.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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