SDMS DocID 2198322

ORIGINAL (Red)

Final

Phase I
Expanded Site Inspection
for the
Hoffman Landfill Site
(MD-004)
Volume II
Attachment V

September, 1994

Prepared By: Maryland Department of the Environment
Waste Management Administration
Environmental Response and Restoration Program
Site Assessment Division
2500 Broening Highway
Baltimore, Maryland 21224

Prepared For: U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

ORIGINAL (Red)

Appendix C

Results as Reported by the Laboratory for all Target Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CJW15

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9221

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9221

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/13/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	3.	JB
67-64-1	Acetone	7.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	35.	
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (P-1)

CJW16

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9202

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9202

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9203

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9203

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (Red) ORIGINAL

CJW19

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5159

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5159

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	5.	JB
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CJW20

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9194

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9194

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW21

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9195

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9195

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

000280

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW22

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9196

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9196

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW23

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9197

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9197

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW24

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5166

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5166

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	5.	JB
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW25

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9198

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9198

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW26

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9199

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9199

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW27

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9200

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9200

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW28

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:C5170

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5170

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	7.	JB
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	1.	J
107-06-2	1,2-Dichloroethane	2.	J
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	J
108-88-3	Toluene	1.	J
108-90-7	Chlorobenzene	1.	J
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	2.	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW29

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9207

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9207

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	11.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9074

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9074

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	7.	J
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW01RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9084

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9084

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	22.	B
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

000009

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9075

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9075

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 17 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	7.	J
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	2.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW02RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9085

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9085

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 17 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	14.	B
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CJW03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9076

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9076

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 20 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	7.	J
67-64-1	Acetone	63.	B
75-15-0	Carbon Disulfide	5.	J
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	16.	
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	4.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	26.	
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	50.	

FORM I VOA

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9077

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9077

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 12 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	11.	
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	11.	U
75-35-4	1,1-Dichloroethene	11.	U
75-34-3	1,1-Dichloroethane	11.	U
540-59-0	1,2-Dichloroethene (total)	11.	U
67-66-3	Chloroform	11.	U
107-06-2	1,2-Dichloroethane	11.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	11.	U
56-23-5	Carbon Tetrachloride	11.	U
75-27-4	Bromodichloromethane	11.	U
78-87-5	1,2-Dichloropropane	11.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U
79-01-6	Trichloroethene	11.	U
124-48-1	Dibromochloromethane	11.	U
79-00-5	1,1,2-Trichloroethane	11.	U
71-43-2	Benzene	11.	U
10061-02-6	trans-1,3-Dichloropropene	11.	U
75-25-2	Bromoform	11.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	11.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U
108-88-3	Toluene	4.	J
108-90-7	Chlorobenzene	11.	U
100-41-4	Ethylbenzene	11.	U
100-42-5	Styrene	11.	U
1330-20-7	Xylene (total)	7.	J

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW04RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9086

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9086

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 12 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	15.	B
67-64-1	Acetone	11.	B
75-15-0	Carbon Disulfide	11.	U
75-35-4	1,1-Dichloroethene	11.	U
75-34-3	1,1-Dichloroethane	11.	U
540-59-0	1,2-Dichloroethene (total)	11.	U
67-66-3	Chloroform	11.	U
107-06-2	1,2-Dichloroethane	11.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	11.	U
56-23-5	Carbon Tetrachloride	11.	U
75-27-4	Bromodichloromethane	11.	U
78-87-5	1,2-Dichloropropane	11.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U
79-01-6	Trichloroethene	11.	U
124-48-1	Dibromochloromethane	11.	U
79-00-5	1,1,2-Trichloroethane	11.	U
71-43-2	Benzene	11.	U
10061-02-6	trans-1,3-Dichloropropene	11.	U
75-25-2	Bromoform	11.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	11.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U
108-88-3	Toluene	2.	J
108-90-7	Chlorobenzene	11.	U
100-41-4	Ethylbenzene	11.	U
100-42-5	Styrene	11.	U
1330-20-7	Xylene (total)	3.	J

ORIGINAL (RED)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9073

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9073

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 2 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CJW06

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9089

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9089

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 37 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16.	U
74-83-9	Bromomethane	16.	U
75-01-4	Vinyl Chloride	16.	U
75-00-3	Chloroethane	16.	U
75-09-2	Methylene Chloride	10.	JB
67-64-1	Acetone	120.	B
75-15-0	Carbon Disulfide	16.	U
75-35-4	1,1-Dichloroethene	16.	U
75-34-3	1,1-Dichloroethane	16.	U
540-59-0	1,2-Dichloroethene (total)	16.	U
67-66-3	Chloroform	16.	U
107-06-2	1,2-Dichloroethane	16.	U
78-93-3	2-Butanone	16.	U
71-55-6	1,1,1-Trichloroethane	16.	U
56-23-5	Carbon Tetrachloride	16.	U
75-27-4	Bromodichloromethane	16.	U
78-87-5	1,2-Dichloropropane	16.	U
10061-01-5	cis-1,3-Dichloropropene	16.	U
79-01-6	Trichloroethene	16.	U
124-48-1	Dibromochloromethane	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U
71-43-2	Benzene	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U
75-25-2	Bromoform	16.	U
108-10-1	4-Methyl-2-Pentanone	16.	U
591-78-6	2-Hexanone	16.	U
127-18-4	Tetrachloroethene	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	16.	U
108-88-3	Toluene	16.	U
108-90-7	Chlorobenzene	16.	U
100-41-4	Ethylbenzene	16.	U
100-42-5	Styrene	16.	U
1330-20-7	Xylene (total)	16.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW07

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9090

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9090

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl Chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene Chloride	10.	JB
67-64-1	Acetone	14.	U
75-15-0	Carbon Disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
540-59-0	1,2-Dichloroethene (total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	14.	U
56-23-5	Carbon Tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	cis-1,3-Dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	trans-1,3-Dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

000016

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9105

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9105

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 24 Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	3.	JB
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

000174

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW09

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9092

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9092

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 23 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	13.	U
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

000144

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9106

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9106

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 23 Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	5.	JB
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

0001

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW10

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9093

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9093

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 42 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	17.	U
74-83-9	Bromomethane	17.	U
75-01-4	Vinyl Chloride	17.	U
75-00-3	Chloroethane	17.	U
75-09-2	Methylene Chloride	5.	JB
67-64-1	Acetone	32.	B
75-15-0	Carbon Disulfide	17.	U
75-35-4	1,1-Dichloroethene	17.	U
75-34-3	1,1-Dichloroethane	17.	U
540-59-0	1,2-Dichloroethene (total)	17.	U
67-66-3	Chloroform	17.	U
107-06-2	1,2-Dichloroethane	17.	U
78-93-3	2-Butanone	17.	U
71-55-6	1,1,1-Trichloroethane	17.	U
56-23-5	Carbon Tetrachloride	17.	U
75-27-4	Bromodichloromethane	17.	U
78-87-5	1,2-Dichloropropane	17.	U
10061-01-5	cis-1,3-Dichloropropene	17.	U
79-01-6	Trichloroethene	17.	U
124-48-1	Dibromochloromethane	17.	U
79-00-5	1,1,2-Trichloroethane	17.	U
71-43-2	Benzene	17.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U
75-25-2	Bromoform	17.	U
108-10-1	4-Methyl-2-Pentanone	17.	U
591-78-6	2-Hexanone	17.	U
127-18-4	Tetrachloroethene	17.	U
79-34-5	1,1,2,2-Tetrachloroethane	17.	U
108-88-3	Toluene	17.	U
108-90-7	Chlorobenzene	17.	U
100-41-4	Ethylbenzene	17.	U
100-42-5	Styrene	17.	U
1330-20-7	Xylene (total)	17.	U

000293

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW11

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9156

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9156

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 19 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	4.	JB
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW12

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9095

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9095

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl Chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene Chloride	4.	JB
67-64-1	Acetone	14.	U
75-15-0	Carbon Disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
540-59-0	1,2-Dichloroethene (total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	14.	U
56-23-5	Carbon Tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	cis-1,3-Dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	trans-1,3-Dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9096

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9096

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 45 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	18.	U
74-83-9	Bromomethane	18.	U
75-01-4	Vinyl Chloride	18.	U
75-00-3	Chloroethane	18.	U
75-09-2	Methylene Chloride	6.	JB
67-64-1	Acetone	18.	U
75-15-0	Carbon Disulfide	18.	U
75-35-4	1,1-Dichloroethene	18.	U
75-34-3	1,1-Dichloroethane	18.	U
540-59-0	1,2-Dichloroethene (total)	18.	U
67-66-3	Chloroform	18.	U
107-06-2	1,2-Dichloroethane	18.	U
78-93-3	2-Butanone	18.	U
71-55-6	1,1,1-Trichloroethane	18.	U
56-23-5	Carbon Tetrachloride	18.	U
75-27-4	Bromodichloromethane	18.	U
78-87-5	1,2-Dichloropropane	18.	U
10061-01-5	cis-1,3-Dichloropropene	18.	U
79-01-6	Trichloroethene	18.	U
124-48-1	Dibromochloromethane	18.	U
79-00-5	1,1,2-Trichloroethane	18.	U
71-43-2	Benzene	18.	U
10061-02-6	trans-1,3-Dichloropropene	18.	U
75-25-2	Bromoform	18.	U
108-10-1	4-Methyl-2-Pentanone	18.	U
591-78-6	2-Hexanone	18.	U
127-18-4	Tetrachloroethene	18.	U
79-34-5	1,1,2,2-Tetrachloroethane	18.	U
108-88-3	Toluene	18.	U
108-90-7	Chlorobenzene	18.	U
100-41-4	Ethylbenzene	18.	U
100-42-5	Styrene	18.	U
1330-20-7	Xylene (total)	18.	U

ORIGINAL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9157

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9157

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl Chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene Chloride	3.	JB
67-64-1	Acetone	29.	B
75-15-0	Carbon Disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
540-59-0	1,2-Dichloroethene (total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	14.	U
56-23-5	Carbon Tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	cis-1,3-Dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	trans-1,3-Dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

000244

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9158

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9158

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	4.	JB
67-64-1	Acetone	5.	JB
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW15

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4969

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4969

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW15

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4969

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4969

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW16

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4970

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4970

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW16

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4970

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4970

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.5	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4971

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4971

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4971

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4971

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

000372

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW19

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4952

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4952

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4952

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4952

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW20

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4953

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4953

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW20

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4953

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4953

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	0.7	J
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

001

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW21

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4956

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4956

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW21

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4956

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4956

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	0.5	J
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

001226

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW22

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4957

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4957

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW22

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4957

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4957

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	0.5	J
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW23

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4958

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4958

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

001257

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW23

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4958

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4958

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW24

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4959

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4959

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW24

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4959

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4959

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	12.	
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (Red) ORIGINAL

CJW25

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4964

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4964

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Napnthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnapnthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenapnthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenapnthene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (Red) ORIGINAL

CJW25

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4964

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4964

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: decanted: (Y/N) Date Extracted: 11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.5	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW26

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4966

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4966

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW26

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4966

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4966

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW27

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4967

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4967

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW27

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4967

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4967

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.8	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW28

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4968

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4968

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Rcd)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW28

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4968

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4968

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	1.	J
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	0.8	J
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	1.	J
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4995

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4995

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	940.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	940.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	940.	U
83-32-9	Acenaphthene	390.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4995

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4995

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940.	U
100-02-7	4-Nitrophenol	940.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	940.	U
534-52-1	4,6-Dinitro-2-methylphenol	940.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	940.	U
85-01-8	Phenanthrene	45.	J
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	73.	JB
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from Diphenylamine

000537

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4996

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4996

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 17 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400.	U
111-44-4	bis(2-Chloroethyl)ether	400.	U
95-57-8	2-Chlorophenol	400.	U
541-73-1	1,3-Dichlorobenzene	400.	U
106-46-7	1,4-Dichlorobenzene	400.	U
95-50-1	1,2-Dichlorobenzene	400.	U
95-48-7	2-Methylphenol	400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400.	U
106-44-5	4-Methylphenol	400.	U
621-64-7	N-Nitroso-di-n-propylamine	400.	U
67-72-1	Hexachloroethane	400.	U
98-95-3	Nitrobenzene	400.	U
78-59-1	Isophorone	400.	U
88-75-5	2-Nitrophenol	400.	U
105-67-9	2,4-Dimethylphenol	400.	U
111-91-1	bis(2-Chloroethoxy)methane	400.	U
120-83-2	2,4-Dichlorophenol	400.	U
120-82-1	1,2,4-Trichlorobenzene	400.	U
91-20-3	Naphthalene	400.	U
106-47-8	4-Chloroaniline	400.	U
87-68-3	Hexachlorobutadiene	400.	U
59-50-7	4-Chloro-3-methylphenol	400.	U
91-57-6	2-Methylnaphthalene	400.	U
77-47-4	Hexachlorocyclopentadiene	400.	U
88-06-2	2,4,6-Trichlorophenol	400.	U
95-95-4	2,4,5-Trichlorophenol	960.	U
91-58-7	2-Chloronaphthalene	400.	U
88-74-4	2-Nitroaniline	960.	U
131-11-3	Dimethylphthalate	400.	U
208-96-8	Acenaphthylene	400.	U
606-20-2	2,6-Dinitrotoluene	400.	U
99-09-2	3-Nitroaniline	960.	U
83-32-9	Acenaphthene	400.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4996

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4996

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 17 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960.	U
100-02-7	4-Nitrophenol	960.	U
132-64-9	Dibenzofuran	400.	U
121-14-2	2,4-Dinitrotoluene	400.	U
84-66-2	Diethylphthalate	400.	U
7005-72-3	4-Chlorophenyl-phenylether	400.	U
86-73-7	Fluorene	400.	U
100-01-6	4-Nitroaniline	960.	U
534-52-1	4,6-Dinitro-2-methylphenol	960.	U
86-30-6	N-Nitrosodiphenylamine (1)	400.	U
101-55-3	4-Bromophenyl-phenylether	400.	U
118-74-1	Hexachlorobenzene	400.	U
87-86-5	Pentachlorophenol	960.	U
85-01-8	Phenanthrene	53.	J
120-12-7	Anthracene	400.	U
86-74-8	Carbazole	400.	U
84-74-2	Di-n-butylphthalate	30.	JB
206-44-0	Fluoranthene	400.	U
129-00-0	Pyrene	400.	U
85-68-7	Butylbenzylphthalate	400.	U
91-94-1	3,3'-Dichlorobenzidine	400.	U
56-55-3	Benzo(a)anthracene	400.	U
218-01-9	Chrysene	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	370.	JB
117-84-0	Di-n-octylphthalate	400.	U
205-99-2	Benzo(b)fluoranthene	400.	U
207-08-9	Benzo(k)fluoranthene	400.	U
50-32-8	Benzo(a)pyrene	400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	400.	U
53-70-3	Dibenz(a,h)anthracene	400.	U
191-24-2	Benzo(g,h,i)perylene	400.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4997

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4997

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 20 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-Chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	410.	U
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	410.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4997

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4997

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 20 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	410.	U
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	36.	JB
206-44-0	Fluoranthene	410.	U
129-00-0	Pyrene	410.	U
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	410.	U
218-01-9	Chrysene	410.	U
117-81-7	bis(2-Ethylhexyl)phthalate	530.	B
117-84-0	Di-n-octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	410.	U
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	410.	U
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

000607A

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5001

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5001

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	27.	J
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	74.	J
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	910.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	910.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	910.	U
83-32-9	Acenaphthene	380.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5001

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5001

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910.	U
100-02-7	4-Nitrophenol	910.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	96.	J
100-01-6	4-Nitroaniline	910.	U
534-52-1	4,6-Dinitro-2-methylphenol	910.	U
86-30-6	N-Nitrosodiphenylamine (1)	32.	J
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	910.	U
85-01-8	Phenanthrene	430.	
120-12-7	Anthracene	380.	U
86-74-8	Carbazole	45.	J
84-74-2	Di-n-butylphthalate	68.	JB
206-44-0	Fluoranthene	240.	J
129-00-0	Pyrene	200.	J
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	380.	U
56-55-3	Benzo(a)anthracene	47.	J
218-01-9	Chrysene	93.	J
117-81-7	bis(2-Ethylhexyl)phthalate	290.	JB
117-84-0	Di-n-octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	41.	J
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	38.	J
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenz(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5002

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5002

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340.	U
111-44-4	bis(2-Chloroethyl)ether	340.	U
95-57-8	2-Chlorophenol	340.	U
541-73-1	1,3-Dichlorobenzene	340.	U
106-46-7	1,4-Dichlorobenzene	340.	U
95-50-1	1,2-Dichlorobenzene	340.	U
95-48-7	2-Methylphenol	340.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340.	U
106-44-5	4-Methylphenol	340.	U
621-64-7	N-Nitroso-di-n-propylamine	340.	U
67-72-1	Hexachloroethane	340.	U
98-95-3	Nitrobenzene	340.	U
78-59-1	Isophorone	340.	U
88-75-5	2-Nitrophenol	340.	U
105-67-9	2,4-Dimethylphenol	340.	U
111-91-1	bis(2-Chloroethoxy)methane	340.	U
120-83-2	2,4-Dichlorophenol	340.	U
120-82-1	1,2,4-Trichlorobenzene	340.	U
91-20-3	Naphthalene	340.	U
106-47-8	4-Chloroaniline	340.	U
87-68-3	Hexachlorobutadiene	340.	U
59-50-7	4-Chloro-3-methylphenol	340.	U
91-57-6	2-Methylnaphthalene	340.	U
77-47-4	Hexachlorocyclopentadiene	340.	U
88-06-2	2,4,6-Trichlorophenol	340.	U
95-95-4	2,4,5-Trichlorophenol	820.	U
91-58-7	2-Chloronaphthalene	340.	U
88-74-4	2-Nitroaniline	820.	U
131-11-3	Dimethylphthalate	340.	U
208-96-8	Acenaphthylene	340.	U
606-20-2	2,6-Dinitrotoluene	340.	U
99-09-2	3-Nitroaniline	820.	U
83-32-9	Acenaphthene	340.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5002

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5002

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820.	U
100-02-7	4-Nitrophenol	820.	U
132-64-9	Dibenzofuran	340.	U
121-14-2	2,4-Dinitrotoluene	340.	U
84-66-2	Diethylphthalate	340.	U
7005-72-3	4-Chlorophenyl-phenylether	340.	U
86-73-7	Fluorene	340.	U
100-01-6	4-Nitroaniline	820.	U
534-52-1	4,6-Dinitro-2-methylphenol	820.	U
86-30-6	N-Nitrosodiphenylamine (1)	340.	U
101-55-3	4-Bromophenyl-phenylether	340.	U
118-74-1	Hexachlorobenzene	340.	U
87-86-5	Pentachlorophenol	820.	U
85-01-8	Phenanthrene	340.	U
120-12-7	Anthracene	340.	U
86-74-8	Carbazole	340.	U
84-74-2	Di-n-butylphthalate	150.	JB
206-44-0	Fluoranthene	340.	U
129-00-0	Pyrene	340.	U
85-68-7	Butylbenzylphthalate	340.	U
91-94-1	3,3'-Dichlorobenzidine	340.	U
56-55-3	Benzo(a)anthracene	340.	U
218-01-9	Chrysene	340.	U
117-81-7	bis(2-Ethylhexyl)phthalate	77.	JB
117-84-0	Di-n-octylphthalate	340.	U
205-99-2	Benzo(b)fluoranthene	340.	U
207-08-9	Benzo(k)fluoranthene	340.	U
50-32-8	Benzo(a)pyrene	340.	U
193-39-5	Indeno(1,2,3-cd)pyrene	340.	U
53-70-3	Dibenz(a,h)anthracene	340.	U
191-24-2	Benzo(g,h,i)perylene	340.	U

(1) - Cannot be separated from Diphenylamine

000687

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW06

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5005

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5005

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 37 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520.	U
111-44-4	bis(2-Chloroethyl)ether	520.	U
95-57-8	2-Chlorophenol	520.	U
541-73-1	1,3-Dichlorobenzene	520.	U
106-46-7	1,4-Dichlorobenzene	520.	U
95-50-1	1,2-Dichlorobenzene	520.	U
95-48-7	2-Methylphenol	520.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520.	U
106-44-5	4-Methylphenol	520.	U
621-64-7	N-Nitroso-di-n-propylamine	520.	U
67-72-1	Hexachloroethane	520.	U
98-95-3	Nitrobenzene	520.	U
78-59-1	Isophorone	520.	U
88-75-5	2-Nitrophenol	520.	U
105-67-9	2,4-Dimethylphenol	520.	U
111-91-1	bis(2-Chloroethoxy)methane	520.	U
120-83-2	2,4-Dichlorophenol	520.	U
120-82-1	1,2,4-Trichlorobenzene	520.	U
91-20-3	Naphthalene	520.	U
106-47-8	4-Chloroaniline	520.	U
87-68-3	Hexachlorobutadiene	520.	U
59-50-7	4-Chloro-3-methylphenol	520.	U
91-57-6	2-Methylnaphthalene	520.	U
77-47-4	Hexachlorocyclopentadiene	520.	U
88-06-2	2,4,6-Trichlorophenol	520.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U
91-58-7	2-Chloronaphthalene	520.	U
88-74-4	2-Nitroaniline	1300.	U
131-11-3	Dimethylphthalate	520.	U
208-96-8	Acenaphthylene	520.	U
606-20-2	2,6-Dinitrotoluene	520.	U
99-09-2	3-Nitroaniline	1300.	U
83-32-9	Acenaphthene	520.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW06

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5005

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5005

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 37 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300.	U
100-02-7	4-Nitrophenol	1300.	U
132-64-9	Dibenzofuran	520.	U
121-14-2	2,4-Dinitrotoluene	520.	U
84-66-2	Diethylphthalate	520.	U
7005-72-3	4-Chlorophenyl-phenylether	520.	U
86-73-7	Fluorene	520.	U
100-01-6	4-Nitroaniline	1300.	U
534-52-1	4,6-Dinitro-2-methylphenol	1300.	U
86-30-6	N-Nitrosodiphenylamine (1)	520.	U
101-55-3	4-Bromophenyl-phenylether	520.	U
118-74-1	Hexachlorobenzene	520.	U
87-86-5	Pentachlorophenol	1300.	U
85-01-8	Phenanthrene	520.	U
120-12-7	Anthracene	520.	U
86-74-8	Carbazole	520.	U
84-74-2	Di-n-butylphthalate	87.	JB
206-44-0	Fluoranthene	520.	U
129-00-0	Pyrene	520.	U
85-68-7	Butylbenzylphthalate	520.	U
91-94-1	3,3'-Dichlorobenzidine	520.	U
56-55-3	Benzo(a)anthracene	520.	U
218-01-9	Chrysene	520.	U
117-81-7	bis(2-Ethylhexyl)phthalate	30.	JB
117-84-0	Di-n-octylphthalate	33.	J
205-99-2	Benzo(b)fluoranthene	30.	J
207-08-9	Benzo(k)fluoranthene	520.	U
50-32-8	Benzo(a)pyrene	520.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U
53-70-3	Dibenz(a,h)anthracene	520.	U
191-24-2	Benzo(g,h,i)perylene	520.	U

(1) - Cannot be separated from Diphenylamine

000722

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW07

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5010

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5010

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440.	U
111-44-4	bis(2-Chloroethyl)ether	440.	U
95-57-8	2-Chlorophenol	440.	U
541-73-1	1,3-Dichlorobenzene	440.	U
106-46-7	1,4-Dichlorobenzene	440.	U
95-50-1	1,2-Dichlorobenzene	440.	U
95-48-7	2-Methylphenol	440.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	U
106-44-5	4-Methylphenol	440.	U
621-64-7	N-Nitroso-di-n-propylamine	440.	U
67-72-1	Hexachloroethane	440.	U
98-95-3	Nitrobenzene	440.	U
78-59-1	Isophorone	440.	U
88-75-5	2-Nitrophenol	440.	U
105-67-9	2,4-Dimethylphenol	440.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	U
120-83-2	2,4-Dichlorophenol	440.	U
120-82-1	1,2,4-Trichlorobenzene	440.	U
91-20-3	Naphthalene	440.	U
106-47-8	4-Chloroaniline	440.	U
87-68-3	Hexachlorobutadiene	440.	U
59-50-7	4-Chloro-3-methylphenol	440.	U
91-57-6	2-Methylnaphthalene	440.	U
77-47-4	Hexachlorocyclopentadiene	440.	U
88-06-2	2,4,6-Trichlorophenol	440.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	440.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	440.	U
208-96-8	Acenaphthylene	440.	U
606-20-2	2,6-Dinitrotoluene	440.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	440.	U

000 78

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW07

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5010

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5010

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	440.	U
121-14-2	2,4-Dinitrotoluene	440.	U
84-66-2	Diethylphthalate	440.	U
7005-72-3	4-Chlorophenyl-phenylether	440.	U
86-73-7	Fluorene	440.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	440.	U
101-55-3	4-Bromophenyl-phenylether	440.	U
118-74-1	Hexachlorobenzene	440.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	40.	J
120-12-7	Anthracene	440.	U
86-74-8	Carbazole	440.	U
84-74-2	Di-n-butylphthalate	37.	JB
206-44-0	Fluoranthene	30.	J
129-00-0	Pyrene	31.	J
85-68-7	Butylbenzylphthalate	440.	U
91-94-1	3,3'-Dichlorobenzidine	440.	U
56-55-3	Benzo(a)anthracene	17.	J
218-01-9	Chrysene	34.	J
117-81-7	bis(2-Ethylhexyl)phthalate	24.	JB
117-84-0	Di-n-octylphthalate	440.	U
205-99-2	Benzo(b)fluoranthene	29.	J
207-08-9	Benzo(k)fluoranthene	440.	U
50-32-8	Benzo(a)pyrene	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	440.	U
53-70-3	Dibenz(a,h)anthracene	440.	U
191-24-2	Benzo(g,h,i)perylene	440.	U

(1) - Cannot be separated from Diphenylamine

000075

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: B5011

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5011

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	28.	J
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	78.	J
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

ORIGINAL (Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5011

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5011

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	430.	U
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	430.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	140.	J
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	70.	JB
206-44-0	Fluoranthene	110.	J
129-00-0	Pyrene	250.	J
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	Benzo(a)anthracene	77.	J
218-01-9	Chrysene	110.	J
117-81-7	bis(2-Ethylhexyl)phthalate	250.	JB
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	110.	J
207-08-9	Benzo(k)fluoranthene	430.	U
50-32-8	Benzo(a)pyrene	94.	J
193-39-5	Indeno(1,2,3-cd)pyrene	430.	U
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5020

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5020

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	27.	J
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	74.	J
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5020

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5020

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	430.	U
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	430.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	140.	J
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	61.	JB
206-44-0	Fluoranthene	93.	J
129-00-0	Pyrene	230.	J
85-68-7	Butylbenzylphthalate	41.	J
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	Benzo(a)anthracene	58.	J
218-01-9	Chrysene	90.	J
117-81-7	bis(2-Ethylhexyl)phthalate	260.	JB
117-84-0	Di-n-octylphthalate	35.	J
205-99-2	Benzo(b)fluoranthene	100.	J
207-08-9	Benzo(k)fluoranthene	430.	U
50-32-8	Benzo(a)pyrene	100.	J
193-39-5	Indeno(1,2,3-cd)pyrene	430.	U
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

000014

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW09

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5012

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5012

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	430.	U
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	48.	J
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

000088

ORIGINAL (Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW09

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5012

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5012

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	430.	U
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	430.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	120.	J
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	120.	JB
206-44-0	Fluoranthene	120.	J
129-00-0	Pyrene	190.	J
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	Benzo(a)anthracene	72.	J
218-01-9	Chrysene	100.	J
117-81-7	bis(2-Ethylhexyl)phthalate	72.	JB
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	120.	J
207-08-9	Benzo(k)fluoranthene	44.	J
50-32-8	Benzo(a)pyrene	80.	J
193-39-5	Indeno(1,2,3-cd)pyrene	430.	U
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5021

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5021

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	430.	U
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	42.	J
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

00932

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5021

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5021

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	430.	U
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	430.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	120.	J
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	110.	JB
206-44-0	Fluoranthene	110.	J
129-00-0	Pyrene	160.	J
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	Benzo(a)anthracene	62.	J
218-01-9	Chrysene	83.	J
117-81-7	bis(2-Ethylhexyl)phthalate	69.	JB
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	100.	J
207-08-9	Benzo(k)fluoranthene	39.	J
50-32-8	Benzo(a)pyrene	62.	J
193-39-5	Indeno(1,2,3-cd)pyrene	430.	U
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW10

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5014

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5014

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 42 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	570.	U
111-44-4	bis(2-Chloroethyl)ether	570.	U
95-57-8	2-Chlorophenol	570.	U
541-73-1	1,3-Dichlorobenzene	570.	U
106-46-7	1,4-Dichlorobenzene	570.	U
95-50-1	1,2-Dichlorobenzene	570.	U
95-48-7	2-Methylphenol	570.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	570.	U
106-44-5	4-Methylphenol	570.	U
621-64-7	N-Nitroso-di-n-propylamine	570.	U
67-72-1	Hexachloroethane	570.	U
98-95-3	Nitrobenzene	570.	U
78-59-1	Isophorone	570.	U
88-75-5	2-Nitrophenol	570.	U
105-67-9	2,4-Dimethylphenol	570.	U
111-91-1	bis(2-Chloroethoxy)methane	570.	U
120-83-2	2,4-Dichlorophenol	570.	U
120-82-1	1,2,4-Trichlorobenzene	570.	U
91-20-3	Naphthalene	570.	U
106-47-8	4-Chloroaniline	570.	U
87-68-3	Hexachlorobutadiene	570.	U
59-50-7	4-Chloro-3-methylphenol	570.	U
91-57-6	2-Methylnaphthalene	43.	J
77-47-4	Hexachlorocyclopentadiene	570.	U
88-06-2	2,4,6-Trichlorophenol	570.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U
91-58-7	2-Chloronaphthalene	570.	U
88-74-4	2-Nitroaniline	1400.	U
131-11-3	Dimethylphthalate	570.	U
208-96-8	Acenaphthylene	570.	U
606-20-2	2,6-Dinitrotoluene	570.	U
99-09-2	3-Nitroaniline	1400.	U
83-32-9	Acenaphthene	570.	U

000976

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW10

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5014

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5014

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 42 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400.	U
100-02-7	4-Nitrophenol	1400.	U
132-64-9	Dibenzofuran	570.	U
121-14-2	2,4-Dinitrotoluene	570.	U
84-66-2	Diethylphthalate	570.	U
7005-72-3	4-Chlorophenyl-phenylether	570.	U
86-73-7	Fluorene	570.	U
100-01-6	4-Nitroaniline	1400.	U
534-52-1	4,6-Dinitro-2-methylphenol	1400.	U
86-30-6	N-Nitrosodiphenylamine (1)	570.	U
101-55-3	4-Bromophenyl-phenylether	570.	U
118-74-1	Hexachlorobenzene	570.	U
87-86-5	Pentachlorophenol	1400.	U
85-01-8	Phenanthrene	60.	J
120-12-7	Anthracene	570.	U
86-74-8	Carbazole	570.	U
84-74-2	Di-n-butylphthalate	340.	JB
206-44-0	Fluoranthene	58.	J
129-00-0	Pyrene	63.	J
85-68-7	Butylbenzylphthalate	570.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U
56-55-3	Benzo(a)anthracene	30.	J
218-01-9	Chrysene	45.	J
117-81-7	bis(2-Ethylhexyl)phthalate	60.	JB
117-84-0	Di-n-octylphthalate	570.	U
205-99-2	Benzo(b)fluoranthene	90.	J
207-08-9	Benzo(k)fluoranthene	570.	U
50-32-8	Benzo(a)pyrene	64.	J
193-39-5	Indeno(1,2,3-cd)pyrene	64.	J
53-70-3	Dibenz(a,h)anthracene	570.	U
191-24-2	Benzo(g,h,i)perylene	570.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW11

(ORIGINAL (Red))

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5015

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5015

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 19 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-Chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	21.	J
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	990.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	990.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	990.	U
83-32-9	Acenaphthene	410.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW11

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5015

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5015

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 19 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990.	U
100-02-7	4-Nitrophenol	990.	U
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	990.	U
534-52-1	4,6-Dinitro-2-methylphenol	990.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	990.	U
85-01-8	Phenanthrene	51.	J
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	200.	JB
206-44-0	Fluoranthene	58.	J
129-00-0	Pyrene	59.	J
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	26.	J
218-01-9	Chrysene	39.	J
117-81-7	bis(2-Ethylhexyl)phthalate	85.	JB
117-84-0	Di-n-octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	47.	J
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	26.	J
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW12

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5016

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5016

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440.	U
111-44-4	bis(2-Chloroethyl)ether	440.	U
95-57-8	2-Chlorophenol	440.	U
541-73-1	1,3-Dichlorobenzene	440.	U
106-46-7	1,4-Dichlorobenzene	440.	U
95-50-1	1,2-Dichlorobenzene	440.	U
95-48-7	2-Methylphenol	440.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	U
106-44-5	4-Methylphenol	440.	U
621-64-7	N-Nitroso-di-n-propylamine	440.	U
67-72-1	Hexachloroethane	440.	U
98-95-3	Nitrobenzene	440.	U
78-59-1	Isophorone	440.	U
88-75-5	2-Nitrophenol	440.	U
105-67-9	2,4-Dimethylphenol	440.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	U
120-83-2	2,4-Dichlorophenol	440.	U
120-82-1	1,2,4-Trichlorobenzene	440.	U
91-20-3	Naphthalene	440.	U
106-47-8	4-Chloroaniline	440.	U
87-68-3	Hexachlorobutadiene	440.	U
59-50-7	4-Chloro-3-methylphenol	440.	U
91-57-6	2-Methylnaphthalene	29.	J
77-47-4	Hexachlorocyclopentadiene	440.	U
88-06-2	2,4,6-Trichlorophenol	440.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	440.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	440.	U
208-96-8	Acenaphthylene	440.	U
606-20-2	2,6-Dinitrotoluene	440.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	440.	U

1062

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW12

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5016

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5016

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	440.	U
121-14-2	2,4-Dinitrotoluene	440.	U
84-66-2	Diethylphthalate	440.	U
7005-72-3	4-Chlorophenyl-phenylether	440.	U
86-73-7	Fluorene	440.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	440.	U
101-55-3	4-Bromophenyl-phenylether	440.	U
118-74-1	Hexachlorobenzene	440.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	45.	J
120-12-7	Anthracene	440.	U
86-74-8	Carbazole	440.	U
84-74-2	Di-n-butylphthalate	110.	JB
206-44-0	Fluoranthene	57.	J
129-00-0	Pyrene	60.	J
85-68-7	Butylbenzylphthalate	440.	U
91-94-1	3,3'-Dichlorobenzidine	440.	U
56-55-3	Benzo(a)anthracene	24.	J
218-01-9	Chrysene	39.	J
117-81-7	bis(2-Ethylhexyl)phthalate	56.	JB
117-84-0	Di-n-octylphthalate	440.	U
205-99-2	Benzo(b)fluoranthene	46.	J
207-08-9	Benzo(k)fluoranthene	440.	U
50-32-8	Benzo(a)pyrene	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	440.	U
53-70-3	Dibenz(a,h)anthracene	440.	U
191-24-2	Benzo(g,h,i)perylene	440.	U

(1) - Cannot be separated from Diphenylamine

001063

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5017

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5017

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 45 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	600.	U
111-44-4	bis(2-Chloroethyl)ether	600.	U
95-57-8	2-Chlorophenol	600.	U
541-73-1	1,3-Dichlorobenzene	600.	U
106-46-7	1,4-Dichlorobenzene	600.	U
95-50-1	1,2-Dichlorobenzene	600.	U
95-48-7	2-Methylphenol	600.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	600.	U
106-44-5	4-Methylphenol	600.	U
621-64-7	N-Nitroso-di-n-propylamine	600.	U
67-72-1	Hexachloroethane	600.	U
98-95-3	Nitrobenzene	600.	U
78-59-1	Isophorone	600.	U
88-75-5	2-Nitrophenol	600.	U
105-67-9	2,4-Dimethylphenol	600.	U
111-91-1	bis(2-Chloroethoxy)methane	600.	U
120-83-2	2,4-Dichlorophenol	600.	U
120-82-1	1,2,4-Trichlorobenzene	600.	U
91-20-3	Naphthalene	600.	U
106-47-8	4-Chloroaniline	600.	U
87-68-3	Hexachlorobutadiene	600.	U
59-50-7	4-Chloro-3-methylphenol	600.	U
91-57-6	2-Methylnaphthalene	600.	U
77-47-4	Hexachlorocyclopentadiene	600.	U
88-06-2	2,4,6-Trichlorophenol	600.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U
91-58-7	2-Chloronaphthalene	600.	U
88-74-4	2-Nitroaniline	1400.	U
131-11-3	Dimethylphthalate	600.	U
208-96-8	Acenaphthylene	600.	U
606-20-2	2,6-Dinitrotoluene	600.	U
99-09-2	3-Nitroaniline	1400.	U
83-32-9	Acenaphthene	600.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5017

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5017

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 45 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400.	U
100-02-7	4-Nitrophenol	1400.	U
132-64-9	Dibenzofuran	600.	U
121-14-2	2,4-Dinitrotoluene	600.	U
84-66-2	Diethylphthalate	600.	U
7005-72-3	4-Chlorophenyl-phenylether	600.	U
86-73-7	Fluorene	600.	U
100-01-6	4-Nitroaniline	1400.	U
534-52-1	4,6-Dinitro-2-methylphenol	1400.	U
86-30-6	N-Nitrosodiphenylamine (1)	600.	U
101-55-3	4-Bromophenyl-phenylether	600.	U
118-74-1	Hexachlorobenzene	600.	U
87-86-5	Pentachlorophenol	1400.	U
85-01-8	Phenanthrene	63.	J
120-12-7	Anthracene	600.	U
86-74-8	Carbazole	600.	U
84-74-2	Di-n-butylphthalate	320.	JB
206-44-0	Fluoranthene	78.	J
129-00-0	Pyrene	89.	J
85-68-7	Butylbenzylphthalate	68.	J
91-94-1	3,3'-Dichlorobenzidine	600.	U
56-55-3	Benzo(a)anthracene	40.	J
218-01-9	Chrysene	58.	J
117-81-7	bis(2-Ethylhexyl)phthalate	75.	JB
117-84-0	Di-n-octylphthalate	600.	U
205-99-2	Benzo(b)fluoranthene	71.	J
207-08-9	Benzo(k)fluoranthene	600.	U
50-32-8	Benzo(a)pyrene	43.	J
193-39-5	Indeno(1,2,3-cd)pyrene	600.	U
53-70-3	Dibenz(a,h)anthracene	600.	U
191-24-2	Benzo(g,h,i)perylene	600.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5018

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5018

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440.	U
111-44-4	bis(2-Chloroethyl)ether	440.	U
95-57-8	2-Chlorophenol	440.	U
541-73-1	1,3-Dichlorobenzene	440.	U
106-46-7	1,4-Dichlorobenzene	440.	U
95-50-1	1,2-Dichlorobenzene	440.	U
95-48-7	2-Methylphenol	440.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	U
106-44-5	4-Methylphenol	440.	U
621-64-7	N-Nitroso-di-n-propylamine	440.	U
67-72-1	Hexachloroethane	440.	U
98-95-3	Nitrobenzene	440.	U
78-59-1	Isophorone	440.	U
88-75-5	2-Nitrophenol	440.	U
105-67-9	2,4-Dimethylphenol	440.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	U
120-83-2	2,4-Dichlorophenol	440.	U
120-82-1	1,2,4-Trichlorobenzene	440.	U
91-20-3	Naphthalene	440.	U
106-47-8	4-Chloroaniline	440.	U
87-68-3	Hexachlorobutadiene	440.	U
59-50-7	4-Chloro-3-methylphenol	440.	U
91-57-6	2-Methylnaphthalene	51.	J
77-47-4	Hexachlorocyclopentadiene	440.	U
88-06-2	2,4,6-Trichlorophenol	440.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	440.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	24.	J
208-96-8	Acenaphthylene	440.	U
606-20-2	2,6-Dinitrotoluene	440.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	440.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5018

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5018

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	440.	U
121-14-2	2,4-Dinitrotoluene	440.	U
84-66-2	Diethylphthalate	440.	U
7005-72-3	4-Chlorophenyl-phenylether	440.	U
86-73-7	Fluorene	440.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	440.	U
101-55-3	4-Bromophenyl-phenylether	440.	U
118-74-1	Hexachlorobenzene	440.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	140.	J
120-12-7	Anthracene	440.	U
86-74-8	Carbazole	440.	U
84-74-2	Di-n-butylphthalate	190.	JB
206-44-0	Fluoranthene	130.	J
129-00-0	Pyrene	240.	J
85-68-7	Butylbenzylphthalate	27.	J
91-94-1	3,3'-Dichlorobenzidine	440.	U
56-55-3	Benzo(a)anthracene	78.	J
218-01-9	Chrysene	96.	J
117-81-7	bis(2-Ethylhexyl)phthalate	98.	JB
117-84-0	Di-n-octylphthalate	46.	J
205-99-2	Benzo(b)fluoranthene	130.	J
207-08-9	Benzo(k)fluoranthene	440.	U
50-32-8	Benzo(a)pyrene	84.	J
193-39-5	Indeno(1,2,3-cd)pyrene	440.	U
53-70-3	Dibenz(a,h)anthracene	440.	U
191-24-2	Benzo(g,h,i)perylene	440.	U

(1) - Cannot be separated from Diphenylamine

8h-100

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92RE

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B5023

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5023

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	940.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	940.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	940.	U
83-32-9	Acenaphthene	390.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92RE

ORIGINAL (RED)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) SOIL Lab Sample ID: B5023

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5023

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940.	U
100-02-7	4-Nitrophenol	940.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	940.	U
534-52-1	4,6-Dinitro-2-methylphenol	940.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	940.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	120.	JB
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	B
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from Diphenylamine

PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CJW15

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW15

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW16

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW16

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

000646

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18 ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW18

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: ~~11/06/93~~ 11/08/93 KP 1/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW19

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

001673

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW20 ORIGINAL

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW20

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

001182

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW21

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) WATER Lab Sample ID: CJW21

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW22 ORIGINAL (Red)

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW22

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

001498

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW23

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW23

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

001706

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW24

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) WATER Lab Sample ID: CJW24

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.11	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW25

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW25

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW26 (ORIGINAL (Red))

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water)WATER Lab Sample ID: CJW26

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW27

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW27

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CJW28

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water)WATER Lab Sample ID: CJW28

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6------	alpha-BHC	0.05	U
319-85-7------	beta-BHC	0.05	U
319-86-8------	delta-BHC	0.05	U
58-89-9-------	gamma-BHC(Lindane)	0.05	U
76-44-8-------	Heptachlor	0.05	U
309-00-2------	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.05	U
959-98-8------	Endosulfan I	0.05	U
60-57-1-------	Dieldrin	0.10	U
72-55-9-------	4,4'-DDE	0.10	U
72-20-8-------	Endrin	0.10	U
33213-65-9----	Endosulfan II	0.10	U
72-54-8-------	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-------	4,4'-DDT	0.10	U
72-43-5-------	Methoxychlor	0.50	U
53494-70-5----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.05	U
5103-74-2-----	gamma-Chlordane	0.05	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2----	Aroclor-1016	1.0	U
11104-28-2----	Aroclor-1221	2.0	U
11141-16-5----	Aroclor-1232	1.0	U
53469-21-9----	Aroclor-1242	1.0	U
12672-29-6----	Aroclor-1248	1.0	U
11097-69-1----	Aroclor-1254	1.0	U
11096-82-5----	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW01

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW01

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	4.3	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW02

ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW02

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.2	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	40.	U
11104-28-2	Aroclor-1221	81.	U
11141-16-5	Aroclor-1232	40.	U
53469-21-9	Aroclor-1242	40.	U
12672-29-6	Aroclor-1248	40.	U
11097-69-1	Aroclor-1254	40.	U
11096-82-5	Aroclor-1260	40.	U

09/15/95

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)SOIL Lab Sample ID: CJW03

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 20 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SONC Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6------	alpha-BHC	2.1	U
319-85-7------	beta-BHC	2.1	U
319-86-8------	delta-BHC	2.1	U
58-89-9-------	gamma-BHC(Lindane)	2.1	U
76-44-8-------	Heptachlor	2.1	U
309-00-2------	Aldrin	3.4	P
1024-57-3-----	Heptachlor epoxide	2.2	P
959-98-8------	Endosulfan I	2.1	U
60-57-1-------	Dieldrin	14.	P
72-55-9-------	4,4'-DDE	4.1	U
72-20-8-------	Endrin	4.1	U
33213-65-9----	Endosulfan II	4.1	U
72-54-8-------	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-------	4,4'-DDT	4.1	U
72-43-5-------	Methoxychlor	21.	U
53494-70-5----	Endrin ketone	4.1	U
7421-36-3-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210.	U
12674-11-2----	Aroclor-1016	41.	U
11104-28-2----	Aroclor-1221	84.	U
11141-16-5----	Aroclor-1232	41.	U
53469-21-9----	Aroclor-1242	41.	U
12672-29-6----	Aroclor-1248	41.	U
11097-69-1----	Aroclor-1254	41.	U
11096-82-5----	Aroclor-1260	41.	U

00155b

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW04 ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW04

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 12 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC(Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	3.0	P
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	76.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	63.	P
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	38.	U

001567

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW05

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 2 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	34.	U
11104-28-2	Aroclor-1221	68.	U
11141-16-5	Aroclor-1232	34.	U
53469-21-9	Aroclor-1242	34.	U
12672-29-6	Aroclor-1248	34.	U
11097-69-1	Aroclor-1254	34.	U
11096-82-5	Aroclor-1260	34.	U

001577

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW06 ORIGINAL

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)SOIL Lab Sample ID: CJW06

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 37 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SONC Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC(Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27.	U
53494-70-5	Endrin ketone	5.2	U
7421-36-3	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270.	U
12674-11-2	Aroclor-1016	52.	U
11104-28-2	Aroclor-1221	110.	U
11141-16-5	Aroclor-1232	52.	U
53469-21-9	Aroclor-1242	52.	U
12672-29-6	Aroclor-1248	52.	U
11097-69-1	Aroclor-1254	52.	U
11096-82-5	Aroclor-1260	52.	U

001586

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW07

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW07

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 26 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23.	U
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230.	U
12674-11-2	Aroclor-1016	45.	U
11104-28-2	Aroclor-1221	91.	U
11141-16-5	Aroclor-1232	45.	U
53469-21-9	Aroclor-1242	45.	U
12672-29-6	Aroclor-1248	45.	U
11097-69-1	Aroclor-1254	45.	U
11096-82-5	Aroclor-1260	45.	U

001595

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW08

ORIGINAL

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW08

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 24 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	3.5	P
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22.	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220.	U
12674-11-2	Aroclor-1016	43.	U
11104-28-2	Aroclor-1221	88.	U
11141-16-5	Aroclor-1232	43.	U
53469-21-9	Aroclor-1242	43.	U
12672-29-6	Aroclor-1248	43.	U
11097-69-1	Aroclor-1254	43.	U
11096-82-5	Aroclor-1260	43.	U

001605

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW09

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW09

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 23 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	3.5	P
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22.	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220.	U
12674-11-2	Aroclor-1016	43.	U
11104-28-2	Aroclor-1221	87.	U
11141-16-5	Aroclor-1232	43.	U
53469-21-9	Aroclor-1242	43.	U
12672-29-6	Aroclor-1248	43.	U
11097-69-1	Aroclor-1254	43.	U
11096-82-5	Aroclor-1260	43.	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW10

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW10

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 42 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC(Lindane)	2.9	U
76-44-8	Heptachlor	2.9	U
309-00-2	Aldrin	2.9	U
1024-57-3	Heptachlor epoxide	2.9	U
959-98-8	Endosulfan I	2.9	U
60-57-1	Dieldrin	5.7	U
72-55-9	4,4'-DDE	5.7	U
72-20-8	Endrin	5.7	U
33213-65-9	Endosulfan II	5.7	U
72-54-8	4,4'-DDD	5.7	U
1031-07-8	Endosulfan sulfate	5.7	U
50-29-3	4,4'-DDT	5.7	U
72-43-5	Methoxychlor	29.	U
53494-70-5	Endrin ketone	5.7	U
7421-36-3	Endrin aldehyde	5.7	U
5103-71-9	alpha-Chlordane	2.9	U
5103-74-2	gamma-Chlordane	2.9	U
8001-35-2	Toxaphene	290.	U
12674-11-2	Aroclor-1016	57.	U
11104-28-2	Aroclor-1221	120.	U
11141-16-5	Aroclor-1232	57.	U
53469-21-9	Aroclor-1242	57.	U
12672-29-6	Aroclor-1248	57.	U
11097-69-1	Aroclor-1254	57.	U
11096-82-5	Aroclor-1260	57.	U

001626

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW11

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)SOIL Lab Sample ID: CJW11

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 19 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SONC Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	83.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	41.	U
11096-82-5	Aroclor-1260	41.	U

001635

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CJW12

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW12

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 26 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23.	U
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230.	U
12674-11-2	Aroclor-1016	45.	U
11104-28-2	Aroclor-1221	91.	U
11141-16-5	Aroclor-1232	45.	U
53469-21-9	Aroclor-1242	45.	U
12672-29-6	Aroclor-1248	45.	U
11097-69-1	Aroclor-1254	45.	U
11096-82-5	Aroclor-1260	45.	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)SOIL Lab Sample ID: CJW13

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 45 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SONC Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6------	alpha-BHC	3.1	U
319-85-7------	beta-BHC	3.1	U
319-86-8------	delta-BHC	3.1	U
58-89-9-------	gamma-BHC(Lindane)	3.1	U
76-44-8-------	Heptachlor	3.1	U
309-00-2------	Aldrin	3.1	U
1024-57-3-----	Heptachlor epoxide	3.1	U
959-98-8------	Endosulfan I	3.1	U
60-57-1-------	Dieldrin	6.0	U
72-55-9-------	4,4'-DDE	6.0	U
72-20-8-------	Endrin	6.0	U
33213-65-9----	Endosulfan II	6.0	U
72-54-8-------	4,4'-DDD	6.0	U
1031-07-8-----	Endosulfan sulfate	6.0	U
50-29-3-------	4,4'-DDT	6.0	U
72-43-5-------	Methoxychlor	31.	U
53494-70-5----	Endrin ketone	6.0	U
7421-36-3-----	Endrin aldehyde	6.0	U
5103-71-9-----	alpha-Chlordane	3.1	U
5103-74-2-----	gamma-Chlordane	3.1	U
8001-35-2-----	Toxaphene	310.	U
12674-11-2----	Aroclor-1016	60.	U
11104-28-2----	Aroclor-1221	120.	U
11141-16-5----	Aroclor-1232	60.	U
53469-21-9----	Aroclor-1242	60.	U
12672-29-6----	Aroclor-1248	60.	U
11097-69-1----	Aroclor-1254	60.	U
11096-82-5----	Aroclor-1260	60.	U

001053

ORIGINAL

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW14

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW14

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 26 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5556 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC(Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	5.2	P
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	U
72-54-8	4,4'-DDD	5.0	U
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26.	U
53494-70-5	Endrin ketone	5.0	U
7421-36-3	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260.	U
12674-11-2	Aroclor-1016	50.	U
11104-28-2	Aroclor-1221	100.	U
11141-16-5	Aroclor-1232	50.	U
53469-21-9	Aroclor-1242	50.	U
12672-29-6	Aroclor-1248	50.	U
11097-69-1	Aroclor-1254	50.	U
11096-82-5	Aroclor-1260	50.	U

001662

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) SOIL Lab Sample ID: CKW92

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

ORIGINAL (Red)

Appendix D

Reviewed and Corrected Tentatively Identified Compounds

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW19

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5159

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5159

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.88~~	~~6.~~	~~JNB~~
2.	Unknown	22.74	7.	J
3.				
4.				
5.				
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3-20

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW20

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9194

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9194

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW21

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9195

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9195

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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27.					
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29.					
30.					

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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW22

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9196

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9196

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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21.				
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25.				
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29.				
30.				

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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW23

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9197

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9197

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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29.					
30.					

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW24

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5166

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5166

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.63	6.	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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27.					
28.					
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30.					

FORM I VOA-TIC

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW15

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: Y9221

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9221

Level: (low/med) LOW Date Received: 11/04/93

% Moisture: not dec. Date Analyzed: 11/13/93

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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29.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW16

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9202

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9202

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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27.					
28.					
29.					
30.					

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW18

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9203

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9203

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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26.					
27.					
28.					
29.					
30.					

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW25

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9198

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9198

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
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ORIGINAL (Red)

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW26

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9199

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9199

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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30.					

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW27

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9200

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9200

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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ORIGINAL (Red)

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW28

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:C5170

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5170

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

FB

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW29

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: Y9207

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9207

Level: (low/med) LOW Date Received: 11/04/93

% Moisture: not dec. Date Analyzed: 11/12/93

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.84	25.	J
2.					
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4.					
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ORIGINAL (Red)

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9074

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9074

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	1.90	47.	JNB
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ORIGINAL (Red)

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW01RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9084

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9084

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~130.~~	~~JNB~~
2.556-67-2	Cyclotetrasiloxane, octameth	18.01	17.	JN
3.55334-40-2	Benzeneacetic acid, .alpha.,	20.76	30.	JN
4.4426-31-7	Borinic acid, diethyl-	21.74	7.	JN
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FORM I VOA-TIC 3/90

ORIGINAL (Red)

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9075

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9075

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 17 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~310.~~	~~JNB~~
2.	110-54-3	Hexane	5.63	6.	JN
3.		Unknown	20.80	9.	J
4.					
5.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW02RE

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9085

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9085

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 17 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.89~~	~~280.~~	~~JNB~~
2. 50-07-9	N-(PENTAFLUOROBENZYLIDENE)-B	20.78	6.	JN
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FORM I VOA-TIC

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9076

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9076

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 20 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.89~~	~~180.~~	~~JNB~~
2. 1678-91-7	Cyclohexane, ethyl-	14.91	24.	JN
3. 1678-92-8	Cyclohexane, propyl-	17.17	31.	JN
4.	C9H12 isomer	17.43	12.	J
5.	C9H12 isomer	18.33	44.	J
6.	C9H12 isomer	18.61	16.	J
7.	C9H12 isomer	18.89	59.	J
8.	Unknown	19.16	18.	J
9.	C9H12 isomer	19.51	42.	J
10.	C10H14 isomer	19.85	29.	J
11.	C10H14 isomer	20.38	14.	J
12.	C10H14 isomer	21.19	12.	J
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MDH 3-2

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9077

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9077

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 12 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~290.~~	~~JNB~~
2. 110-54-3	Hexane	5.60	8.	JN
3. 80-56-8	.alpha.-Pinene	17.33	10.	JN
4.	Unknown	18.31	7.	J
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ORIGINAL (Red)

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW04RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9086

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9086

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 12 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.89~~	~~200.~~	~~JNB~~
2.	Alkane	5.62	7.	J
3. 50-07-9	N-(PENTAFLUOROBENZYLIDENE)-B	20.77	6.	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9073

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9073

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 2 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.90~~	~~17.~~	~~JNB~~
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MJH 3-22

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW06

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9089

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9089

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 37 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.90~~	~~330.~~	~~JNB~~
2.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW07

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9090

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9090

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 124-38-9	Carbon Dioxide	1.91	520.	JNB
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MAH 3-22

FORM I VOA-TIC

0001 5

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW08

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9105

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9105

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 24 Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~130.~~	~~JNB~~
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW09

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9092

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9092

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 23 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~1100.~~	~~JNB~~
2.				
3.				
4.				
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MAH 3-22

FORM I VOA-TIC

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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9106

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9106

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 23 Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.89~~	~~440.~~	~~JNB~~
2.				
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CJW10

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9093

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9093

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 42 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 124-38-9~~	~~Carbon Dioxide~~	~~1.89~~	~~1600.~~	~~JNB~~
2.				
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ORIGINAL (Red)

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW11

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9156

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9156

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 19 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124 38 9~~	~~Carbon Dioxide~~	~~1.90~~	~~180.~~	~~JNB~~
2.				
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW12

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9095

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9095

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.91~~	~~400.~~	~~JNB~~
2.				
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MAN 3-22

ORIGINAL

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9096

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9096

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 45 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon Dioxide~~	~~1.90~~	~~1500.~~	~~JNB~~
2.				
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NO 3/22

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9157

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9157

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 26 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~124-38-9~~	~~Carbon Dioxide~~	~~1.90~~	~~420.~~	~~JNB~~
2.					
3.					
4.					
5.					
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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKW92

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9158

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9158

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~124-38-9~~	~~Carbon dioxide~~	~~1.90~~	~~77.~~	~~JN~~
2.				
3.				
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ORIGINAL

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW19

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4952

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4952

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.23~~	~~19.~~	~~JNA~~
2.	Unknown	43.86	2.	J
3.	Unknown	43.96	3.	J
4. 93-17-4	Benzeneacetonitrile, 3,4-dim	44.01	2.	JN
5.				
6.				
7.				
8.				
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW20

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4953

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4953

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123 42 2~~	~~2 Pentanone, 4 hydroxy 4 met~~	~~6.24~~	~~17.~~	~~JNA~~
2.				
3.				
4.				
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Not 3-22-9

001233

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CJW21

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4956

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4956

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.24~~	~~42.~~	~~JNA~~
2. 540-97-6	Cyclohexasiloxane, dodecamet	19.10	2.	JN
3. 80-07-9	Benzene, 1,1'-sulfonylbis[4-	37.12	5.	JN
4.				
5.				
6.				
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001227

ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW22

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4957

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4957

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.23~~	~~22.~~	~~JNA~~
2. 124-17-4	Ethanol, 2-(2-butoxyethoxy)-	20.49	2.	JN
3.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. CJW23

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4958

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4958

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~3-Pentanone, 4-hydroxy-4-met~~	~~6.25~~	~~27.~~	~~JNAB~~
2. 80-07-9	Benzene, 1,1'-sulfonylbis[4-	37.14	2.	JN
3.				
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW24

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4959

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4959

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.24~~	~~19.~~	~~JNAB~~
2.				
3.				
4.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW15

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4969

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4969

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	5131-66-8	2-Propanol, 1-butoxy-	9.17	2.	JN
2.					
3.					
4.					
5.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CJW16

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4970

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4970

Level: (low/med) LOW Date Received: 11/04/93

% Moisture: decanted: (Y/N) Date Extracted: 11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CJW18

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4971

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4971

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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ORIGINAL (Red)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW25

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4964

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4964

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: decanted: (Y/N) Date Extracted: 11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.24~~	~~19.~~	~~JNAB~~
2.				
3.				
4.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW26

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4966

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4966

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: decanted: (Y/N) Date Extracted: 11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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9.					
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11.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CJW27

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4967

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4967

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: decanted: (Y/N) Date Extracted: 11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	5131-66-8	2-Propanol, 1-butoxy-	9.17	2.	JN
2.	80-07-9	Benzene, 1,1'-sulfonylbis[4-	37.08	2.	JN
3.					
4.					
5.					
6.					
7.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW28

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: B4968

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4968

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: decanted: (Y/N) Date Extracted: 11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

FB

Number TICs Found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-16-9	Benzothiazole	17.17	2.	JN
2.				
3.				
4.				
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW01

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: B4995

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4995

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

Number TICs Found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.93~~	~~300.~~	~~JNB~~
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.20~~	~~30000.~~	~~JNAB~~
3.	Alkane	7.87	200.	J
4.	Alkane	10.87	500.	J
5.	Alkane	13.73	580.	J
6.	Alkane	16.42	780.	J
7.	Alkane	18.19	120.	J
8.	Alkane	18.93	880.	J
9.	Alkane	21.29	760.	J
10.	Alkane	23.52	790.	J
11.	Alkane	25.63	730.	J
12.	Alkane	27.62	660.	J
13.	Alkane	29.51	570.	J
14.	Alkane	31.31	550.	J
15.	Alkane	33.03	460.	J
16.	Alkane	34.68	410.	J
17.	Alkane	36.25	350.	J
18.	Alkane	37.76	300.	J
19.	Alkane	39.20	220.	J
20.	Alkane	40.59	200.	J
21.	Alkane	41.93	150.	J
22.	Alkane	43.23	230.	J
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000538

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CJW02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4996

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4996

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 17 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs Found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123 42 2~~	~~2 Pentanone, 4 hydroxy 4 met~~	~~6.19~~	~~28000.~~	~~JNAB~~
2.	Alkane	18.93	480.	J
3.	Alkane	21.29	400.	J
4.	Alkane	23.52	430.	J
5.	Alkane	25.62	380.	J
6.	Alkane	27.62	460.	J
7.	Alkane	33.03	480.	J
8.	Alkane	34.68	1400.	J
9.	Alkane	36.26	4200.	J
10.	Alkane	37.77	6400.	J
11.	Alkane	39.22	10000.	J
12.	Alkane	40.62	16000.	J
13.	Alkane	41.96	18000.	J
14.	Alkane	42.75	720.	J
15.	Alkane	43.25	1300.	J
16.	Alkane	44.48	1000.	J
17.	Alkane	46.84	450.	J
18.	Alkane	47.98	340.	J
19.	Alkane	49.07	160.	J
20.	Alkane	50.14	110.	J
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4997

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4997

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 20 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

Number TICs Found: 9

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	107-40-4	2-Pentene, 2,4,4-trimethyl-	4.53	120.	JN
2.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.93~~	~~280.~~	~~JNB~~
3.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.20~~	~~30000.~~	~~JNAB~~
4.		Alkane	27.61	86.	J
5.	13076-29-4	Anthracene, 1,4-dimethoxy-	34.70	400.	JN
6.	4130-42-1	Phenol, 2,6-bis(1,1-dimethyl	36.57	330.	JN
7.		Unknown	48.33	130.	J
8.		Unknown	48.44	130.	J
9.		Unknown	48.82	88.	J
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5001

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5001

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Number TICs Found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.20~~	~~24000.~~	~~JNAB~~
2.80-56-8	.alpha.-Pinene	8.80	1900.	JN
3.33675-75-1	Phenol, 3-(2-phenylethyl)-	30.01	580.	JN
4.57-10-3	Hexadecanoic acid	32.34	750.	JN
5.	dimethyl naphthalene isomer	33.46	4000.	J
6.17861-18-6	Phenol, 3-(2-phenylethenyl)-	33.74	1200.	JN
7.26-82-3	3-(N,N-DIETHYLAMINO)CARBAZOL	34.70	3600.	JN
8.	C20H40 isomer	35.24	550.	J
9.57-11-4	Octadecanoic acid	35.62	780.	JN
10.	Alkane	37.75	3400.	J
11.1235-74-1	1-Phenanthrenecarboxylic aci	38.36	580.	JN
12.	Alkane	39.20	4600.	J
13.1740-19-8	1-Phenanthrenecarboxylic aci	39.89	2500.	JN
14.	Alkane	40.60	6200.	J
15.	phthalate	40.77	820.	J
16.	Alkane	41.94	5900.	J
17.	Alkane	43.23	1000.	J
18.	Alkane	44.46	800.	J
19.	Alkane	46.81	450.	J
20.	Alkane	47.95	340.	J
21.	Alkane	49.04	200.	J
22.	Alkane	50.11	110.	J
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ORIGINAL

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5002

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5002

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

Number TICs Found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.90~~	~~240.~~	~~JNB~~
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.25~~	~~23000.~~	~~JNAB~~
3.	Unknown	10.77	240.	J
4.	Alkane	32.98	87.	J
5.	Alkane	34.63	170.	J
6.	Alkane	37.71	290.	J
7.	Alkane	39.16	330.	J
8. 77899-03-7	1-Heneicosyl formate	40.45	73.	JN
9.	Alkane	40.55	390.	J
10.	Alkane	41.90	370.	J
11.	Alkane	43.18	290.	J
12.	Alkane	44.43	200.	J
13.	Alkane	46.79	130.	J
14.	Alkane	47.92	140.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CJW04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5001

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5001

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 12 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Number TICs Found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.20~~	~~24000.~~	~~JNAB~~
2. 80-56-8	.alpha.-Pinene	8.80	1900.	JN
3. 33675-75-1	Phenol, 3-(2-phenylethyl)-	30.01	580.	JN
4. 57-10-3	Hexadecanoic acid	32.34	750.	JN
5.	dimethyl naphthalene isomer	33.46	4000.	J
6. 17861-18-6	Phenol, 3-(2-phenylethenyl)-	33.74	1200.	JN
7. 26-82-3	3-(N,N-DIETHYLAMINO)CARBAZOL	34.70	3600.	JN
8.	C20H40 isomer	35.24	550.	J
9. 57-11-4	Octadecanoic acid	35.62	780.	JN
10.	Alkane	37.75	3400.	J
11. 1235-74-1	1-Phenanthrenecarboxylic aci	38.36	580.	JN
12.	Alkane	39.20	4600.	J
13. 1740-19-8	1-Phenanthrenecarboxylic aci	39.89	2500.	JN
14.	Alkane	40.60	6200.	J
15.	phthalate	40.77	820.	J
16.	Alkane	41.94	5900.	J
17.	Alkane	43.23	1000.	J
18.	Alkane	44.46	800.	J
19.	Alkane	46.81	450.	J
20.	Alkane	47.95	340.	J
21.	Alkane	49.04	200.	J
22.	Alkane	50.11	110.	J
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5002

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5002

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

Number TICs Found: 14

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~4.90~~	~~240.~~	~~JNB~~
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.25~~	~~23000.~~	~~JNAB~~
3.	Unknown	10.77	240.	J
4.	Alkane	32.98	87.	J
5.	Alkane	34.63	170.	J
6.	Alkane	37.71	290.	J
7.	Alkane	39.16	330.	J
8. 77899-03-7	1-Heneicosyl formate	40.45	73.	JN
9.	Alkane	40.55	390.	J
10.	Alkane	41.90	370.	J
11.	Alkane	43.18	290.	J
12.	Alkane	44.43	200.	J
13.	Alkane	46.79	130.	J
14.	Alkane	47.92	140.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW08

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5011

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5011

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs Found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2497-21-4	4-Hexen-3-one	4.27	350.	JN
2.		Unknown	4.50	280.	J
~~3.~~	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.90~~	~~280.~~	~~JNB~~
~~4.~~	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.27~~	~~28000.~~	~~JNAB~~
5.		Unknown	10.77	310.	J
6.		Alkane	13.67	150.	J
7.		Alkane	16.36	180.	J
8.		Alkane	18.87	220.	J
9.		Alkane	21.24	200.	J
10.		Alkane	23.46	210.	J
11.		Alkane	25.56	250.	J
12.		Alkane	27.56	290.	J
13.	489-84-9	Azulene, 1,4-dimethyl-7-(1-m	27.87	130.	JN
14.		Alkane	29.45	280.	J
15.		Alkane	29.56	110.	J
16.		Alkane	30.18	110.	J
17.		Alkane	31.26	320.	J
18.		Alkane	32.98	240.	J
19.		Alkane	34.63	210.	J
20.		Alkane	37.70	440.	J
21.		Alkane	39.16	310.	J
22.		Alkane	40.54	290.	J
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ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW08RE

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: B5020

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5020

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs Found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	25044-01-3	1-Penten-3-one, 2-methyl-	4.25	310.	JN
2.		Unknown	4.49	260.	J
3.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.89~~	~~280.~~	~~JNB~~
4.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.35~~	~~25000.~~	~~JNAB~~
5.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	10.75	240.	JN
6.		Alkane	13.67	140.	J
7.		Alkane	16.35	160.	J
8.		Alkane	18.86	200.	J
9.		Alkane	21.23	170.	J
10.		Alkane	23.44	180.	J
11.		Alkane	25.56	220.	J
12.		Alkane	27.55	250.	J
13.		Alkane	29.44	260.	J
14.		Alkane	29.56	110.	J
15.		Alkane	31.25	310.	J
16.	57-10-3	Hexadecanoic acid	32.25	130.	JN
17.		Alkane	32.97	230.	J
18.		Alkane	34.61	180.	J
19.		Alkane	37.70	440.	J
20.		Alkane	39.15	290.	J
21.		Alkane	40.54	460.	J
22.		Alkane	43.17	260.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW09

ORIGINAL (RED)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5012

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5012

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs Found: 21

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	25044-01-3	1-Penten-3-one, 2-methyl-	4.27	300.	JN
2.		Unknown	4.51	320.	J
3.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.91~~	~~290.~~	~~JNB~~
4.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.27~~	~~28000.~~	~~JNAB~~
5.		Unknown	8.10	270.	J
6.		Unknown	10.76	390.	J
7.	30995-64-3	Methyldibenzothiophene	30.53	130.	JN
8.		Unknown	30.88	210.	J
9.	832-64-4	Phenanthrene, 4-methyl-	31.29	190.	JN
10.	2091-29-4	9-Hexadecenoic acid	31.92	180.	JN
11.		Alkane	37.71	190.	J
12.	123-79-5	Hexanedioic acid, dioctyl es	38.95	250.	JN
13.	19047-85-9	Phosphonic acid, dioctadecyl	40.43	590.	JN
14.		Alkane	40.54	470.	J
15.		Alkane	43.16	590.	J
16.	44-71-2	1-Hexacosanal	44.88	180.	JN
17.	77899-10-6	(Z)14-Tricosenyl formate	47.27	190.	JN
18.		Alkane	47.91	220.	J
19.		Unknown	47.97	110.	J
20.		Unknown	49.70	98.	J
21.		Unknown	50.40	240.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5021

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5021

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs Found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 25044-01-3~~	~~1-Penten-3-one, 2-methyl-~~	~~4.25~~	~~230.~~	~~JN~~
~~2.~~	~~Unknown~~	~~4.49~~	~~260.~~	~~J~~
~~3. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.89~~	~~260.~~	~~JN~~
~~4. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.26~~	~~24000.~~	~~JNAB~~
5.	Unknown	10.76	300.	J
6. 30995-64-3	Methyldibenzothiophene	30.53	110.	JN
7. 19047-85-9	Phosphonic acid, dioctadecyl	30.87	190.	JN
8. 613-12-7	Anthracene, 2-methyl-	31.28	160.	JN
9. 624-24-8	Pentanoic acid, methyl ester	31.66	97.	JN
10. 2091-29-4	9-Hexadecenoic acid	31.91	120.	JN
11. 57-10-3	Hexadecanoic acid	32.29	260.	JN
12.	Alkane	37.70	160.	J
13. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	38.94	230.	JN
14. 19047-85-9	Phosphonic acid, dioctadecyl	40.43	440.	JN
15.	Alkane	40.53	420.	J
16. 77899-10-6	(Z)14-Tricosenyl formate	42.32	170.	JN
17.	Alkane	43.17	560.	J
18. 4471-2	1-Hexacosanal	44.87	200.	JN
19. 765-27-5	1-Eicosyne	47.26	180.	JN
20.	Alkane	47.90	200.	J
21. 83-47-6	.gamma.-Sitosterol	50.40	200.	JN
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000933

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. CJW09

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: B5012

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5012

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs Found: 21

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	25044-01-3	1-Penten-3-one, 2-methyl-	4.27	300.	JN
2.		Unknown	4.51	320.	J
3.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.91~~	~~290.~~	~~JNB~~
4.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.27~~	~~28000.~~	~~JNAB~~
5.		Unknown	8.10	270.	J
6.		Unknown	10.76	390.	J
7.	30995-64-3	Methyldibenzothiophene	30.53	130.	JN
8.		Unknown	30.88	210.	J
9.	832-64-4	Phenanthrene, 4-methyl-	31.29	190.	JN
10.	2091-29-4	9-Hexadecenoic acid	31.92	180.	JN
11.		Alkane	37.71	190.	J
12.	123-79-5	Hexanedioic acid, dioctyl es	38.95	250.	JN
13.	19047-85-9	Phosphonic acid, dioctadecyl	40.43	590.	JN
14.		Alkane	40.54	470.	J
15.		Alkane	43.16	590.	J
16.	44-71-2	1-Hexacosanal	44.88	180.	JN
17.	77899-10-6	(Z)14-Tricosenyl formate	47.27	190.	JN
18.		Alkane	47.91	220.	J
19.		Unknown	47.97	110.	J
20.		Unknown	49.70	98.	J
21.		Unknown	50.40	240.	J
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MAP 3-22

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW09RE

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5021

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5021

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 23 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs Found: 21

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 25044-01-3~~	~~1-Penten-3-one, 2-methyl~~	~~4.25~~	~~230.~~	~~JN~~
~~2.~~	~~Unknown~~	~~4.49~~	~~260.~~	~~J~~
~~3. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.89~~	~~260.~~	~~JN~~
~~4. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.26~~	~~24000.~~	~~JNAB~~
5.	Unknown	10.76	300.	J
6. 30995-64-3	Methyldibenzothiophene	30.53	110.	JN
7. 19047-85-9	Phosphonic acid, dioctadecyl	30.87	190.	JN
8. 613-12-7	Anthracene, 2-methyl-	31.28	160.	JN
9. 624-24-8	Pentanoic acid, methyl ester	31.66	97.	JN
10. 2091-29-4	9-Hexadecenoic acid	31.91	120.	JN
11. 57-10-3	Hexadecanoic acid	32.29	260.	JN
12.	Alkane	37.70	160.	J
13. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	38.94	230.	JN
14. 19047-85-9	Phosphonic acid, dioctadecyl	40.43	440.	JN
15.	Alkane	40.53	420.	J
16. 77899-10-6	(Z)14-Tricosenyl formate	42.32	170.	JN
17.	Alkane	43.17	560.	J
18. 4471-2	1-Hexacosanal	44.87	200.	JN
19. 765-27-5	1-Eicosyne	47.26	180.	JN
20.	Alkane	47.90	200.	J
21. 83-47-6	.gamma.-Sitosterol	50.40	200.	JN
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000933

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW10

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5014

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5014

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 42 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs Found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 638-04-0~~	~~Cyclohexane, 1,3-dimethyl-,c~~	~~4.50~~	~~240.~~	~~JNB~~
~~2. 141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~4.98~~	~~290.~~	~~JNB~~
~~3. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.39~~	~~67000.~~	~~JNAB~~
4.	Unknown	10.76	240.	J
5.	Unknown	16.01	140.	J
6. 97-78-9	Glycine, N-methyl-N-(1-oxodo	32.28	280.	JN
7. 77899-03-7	1-Heneicosyl formate	40.43	360.	JN
8.	Alkane	40.53	120.	J
9.	Alkane	43.16	310.	J
10. 77899-10-6	(Z)14-Tricosenyl formate	44.88	160.	JN
11. 629-80-1	Hexadecanal	47.26	170.	JN
12.	Alkane	47.90	220.	J
13. 77899-03-7	1-Heneicosyl formate	47.98	170.	JN
14. 83-47-6	.gamma.-Sitosterol	50.39	120.	JN
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MDH 3-22

ORIGINAL (Red)

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW11

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: B5015

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5015

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 638-04-0~~	~~Cyclohexane, 1,3-dimethyl ,~~	~~4.52~~	~~190.~~	~~JNB~~
~~2. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.91~~	~~190.~~	~~JNB~~
~~3. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.47~~	~~56000.~~	~~JNAB~~
~~4.~~	~~Unknown~~	~~16.01~~	~~99.~~	~~JB~~
5. 57-10-3	Hexadecanoic acid	32.28	130.	JN
6. 77899-03-7	1-Heneicosyl formate	40.42	230.	JN
7.	Alkane	43.16	240.	J
8. 44-71-2	1-Hexacosanal	44.87	120.	JN
9. 638-66-4	Octadecanal	47.25	110.	JN
10.	Alkane	47.90	200.	J
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MDW 3-22

001022

OAB 1/14/94

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CJW12

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5016

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5016

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs Found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 589-90-2~~	~~Cyclohexane, 1,3-dimethyl ,~~	~~4.51~~	~~170.~~	~~JNB~~
~~2. 141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.91~~	~~200.~~	~~JNB~~
~~3. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.42~~	~~53000.~~	~~JNAB~~
~~4.~~	~~Unknown~~	~~16.01~~	~~100.~~	~~JB~~
5.	Unknown	18.69	120.	J
6. 544-63-8	Tetradecanoic acid	32.28	200.	JN
7. 638-66-4	Octadecanal	39.56	150.	JN
8. 6624-79-9	1-Dotriacontanol	40.42	240.	JN
9. 629-80-1	Hexadecanal	42.31	130.	JN
10.	Alkane	43.16	300.	J
11. 629-80-1	Hexadecanal	44.88	230.	JN
12. 77899-10-6	(Z)14-Tricosenyl formate	47.25	120.	JN
13.	Alkane	47.90	140.	J
14.	Unknown	47.98	98.	J
15. 83-47-6	.gamma.-Sitosterol	50.39	210.	JN
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NOH 3-22

001064

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW13

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5017

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5017

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 45 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs Found: 19

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~638-04-0~~	~~Cyclohexane, 1,3 dimethyl ,~~	~~4.53~~	~~270.~~	~~JNB~~
2.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~4.91~~	~~340.~~	~~JNB~~
3.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.39~~	~~66000.~~	~~JNAB~~
4.		Unknown	10.77	270.	J
5.		~~Unknown~~	~~16.02~~	~~170.~~	~~JB~~
6.	2091-29-4	9-Hexadecenoic acid	31.92	130.	JN
7.		Hexadecenoic acid isomer	32.07	170.	J
8.	57-10-3	Hexadecanoic acid	32.31	340.	JN
9.	4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	38.94	200.	JN
10.		Unknown	39.55	160.	J
11.		Alkene	40.43	610.	J
12.		Alkane	40.53	330.	J
13.	10486-19-8	Tridecanal	42.31	170.	JN
14.		Alkane	43.16	630.	J
15.	77899-10-6	(Z)14-Tricosenyl formate	44.87	280.	JN
16.	56554-95-1	11-Octadecenal	47.26	260.	JN
17.		Alkane	47.91	230.	J
18.		Unknown	47.96	160.	J
19.	83-47-6	.gamma.-Sitosterol	50.40	170.	JN
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ND 3-22

001100

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5018

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5018

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 26 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.49~~	~~66000.~~	~~JNAB~~
2.	544-63-8	Tetradecanoic acid	28.65	160.	JN
3.	544-63-8	Tetradecanoic acid	29.83	170.	JN
4.		Unknown	29.97	140.	J
5.		Unknown Acidic Compound	30.50	130.	J
6.	56554-96-2	2-Octadecenal	30.89	260.	JN
7.		Alkane	31.25	180.	J
8.	2091-29-4	9-Hexadecenoic acid	31.97	560.	JN
9.	57-10-3	Hexadecanoic acid	32.37	1300.	JN
10.		Unknown	34.76	280.	J
11.	74685-30-6	5-Eicosene, (E)-	35.21	550.	JN
12.	57-11-4	Octadecanoic acid	35.58	350.	JN
13.		Alkane	37.70	340.	J
14.	19047-85-9	Phosphonic acid, dioctadecyl	40.43	1100.	JN
15.		Alkane	40.54	950.	J
16.	77899-10-6	(Z)14-Tricosenyl formate	42.31	370.	JN
17.		Alkane	43.16	710.	J
18.		C18H340 isomer	44.87	220.	J
19.		C18H340 isomer	47.26	200.	J
20.		Alkane	47.92	150.	J
21.	7225-68-5	Dodecane, 1-cyclopentyl-4-(3	47.97	140.	JN
22.	83-47-6	.gamma.-Sitosterol	50.41	270.	JN
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RDM 3-22

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKW92RE

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) SOIL Lab Sample ID: B5023

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5023

Level: (low/med) LOW Date Received: 11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Number TICs Found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.89~~	~~240.~~	~~JNB~~
2.	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~6.24~~	~~20000.~~	~~JNAB~~
3.		dimethyl naphthalene isomer	33.37	86.	J
4.	117-79-3	9,10-Anthracenedione, 2-amin	34.62	94.	JN
5.	483-65-8	Phenanthrene, 1-methyl-7-(1-	36.51	90.	JN
6.		Alkane	37.69	97.	J
7.		Alkane	39.14	180.	J
8.		Alkane	40.53	390.	J
9.		Alkane	41.87	660.	J
10.		Alkane	43.16	510.	J
11.		Alkane	44.40	530.	J
12.		Alkane	46.77	420.	J
13.		Alkane	47.90	370.	J
14.		Alkane	49.00	240.	J
15.		Alkane	50.07	150.	J
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MDH 3-22

ORIGINAL (Red)

Appendix E

Organic Regional Data Assessment Summary

ORIGINAL (Red)

TPO: [X] ACTION [ ] FYI

Region I

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO.: 21162
SDG NO.: CJW01/CJW25
SOW: 3/90
NO. OF SAMPLES: Fourteen (14)

LABORATORY: ABB-ES
DATA USER: MOIRA LATAILA
REVIEW COMPLETION DATE: 04-07-94
MATRIX: WATER

REVIEWER: ESAT

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	O	O	O	
2. GC-MS TUNE/GC PERFORMANCE	O	O	O	
3. INITIAL CALIBRATIONS	X	XA	O	
4. CONTINUING CALIBRATION	X	XA	O	
5. FIELD BLANKS (F=NOT APPLICABLE)	X	X	O	
6. LABORATORY BLANKS	X	X	O	
7. SURROGATES	O	O	M	
8. MATRIX SPIKE / DUPLICATES	O	O	O	
9. REGIONAL QC (F=NOT APPLICABLE)	F	F	F	
10. INTERNAL STANDARDS	O	O		
11. COMPOUND IDENTIFICATION	O	O	O	
12. COMPOUND QUANTITATION	O	O	O	
13. SYSTEM PERFORMANCE	O	O	O	
14. OVERALL ASSESSMENT	X	XA	M	

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: 3B, 4B

AREAS OF CONCERN: (Documentation attached, see following pages)

ORIGINAL

TPO: [X] ACTION [ ] FYI

Region I

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO.: 21162
SDG NO.: CJW01/CJW25
SOW: 3/90
NO. OF SAMPLES: Fifteen (15))

LABORATORY: ABB-ES
DATA USER: MOIRA LATAILA
REVIEW COMPLETION DATE: 04-06-94
MATRIX: Soil

REVIEWER: ESAT

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	O	MA	O	
2. GC-MS TUNE/GC PERFORMANCE	O	O	O	
3. INITIAL CALIBRATIONS	X	XA	O	
CONTINUING CALIBRATION	X	XA	O	
5. FIELD BLANKS (F=NOT APPLICABLE)	X	X	O	
6. LABORATORY BLANKS	X	X	O	
7. SURROGATES	O	O	M	
8. MATRIX SPIKE / DUPLICATES	O	O	O	
9. REGIONAL QC (F=NOT APPLICABLE)	F	F	F	
10. INTERNAL STANDARDS	M	MA		
11. COMPOUND IDENTIFICATION	O	O	O	
12. COMPOUND QUANTITATION	O	O	O	
13. SYSTEM PERFORMANCE	O	O	O	
14. OVERALL ASSESSMENT	M	MA	M	

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: 3B, 4B , 10B

AREAS OF CONCERN: (Documentation attached, see following pages)

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES

Case:21162 SDG:CJW01/CJW25 Media:WATER

Item 3A, 3B — Several compounds failed precision criteria in the volatile and semivolatile initial calibrations (%RSD>30%).

3B — 2,4-Diniterophenol and 4,6-dinitro-2-methylphenol had RRFs less than 0.05.

Item 4A, 4B — Several compounds failed precision criteria in the volatile and semivolatile continuing calibrations (%D>25%).

4B — 2,4-Diniterophenol and 4,6-dinitro-2-methylphenol had RRFs less than 0.05.

Item 5A — The maximum concentrations of all compounds found in the analyses of the field blanks are listed below:

Compound	Concentration (ug/l)
Methylene chloride*	2 J
Acetone*	11 J
Chloroform	1 J
1,2-Dichloroethane	2 J
1,1,2,2-Tetrachloroethane	2 J
Toluene	1 J
Chlorobenzene	1 J
Total xylenes	2 J
Diethylphthalate*	1 J
Di-n-butylphthalate*	0.8 J
Butylbenzylphthalate*	1 J

* = Common laboratory contaminants

Item 6A — The maximum concentrations of all compounds found in the analyses of the method blanks are listed below:

Compound	Concentration	
Methylene chloride*	4 J	ug/kg
Acetone*	13	ug/kg
Di-n-butylphthalate*	110 J	ug/kg
Bis(2-Ethylhexyl)phthalate*	97 J	ug/kg

* = Common laboratory contaminants

ORIGINAL (Red)

Item 7A In the volatile analyses, sample CJW19MS had one (1) system monitoring compound outside the QC limits.

Item 7C In the pesticide/PCB analyses, tetrachloro-m-xylene (TCX) yielded low recoveries outside the QC limits for sample CKW18 on both columns.

In the pesticide/PCB analyses, surrogates DCB and/or TCX had recoveries outside the lower QC limits in the MS/MSD analyses of samples CKW18, CKW20.

Item 8A In the volatile MS/MSD analyses of sample CJW19, four (4) out of five (5) relative percent differences (RPDs) were outside the QC limits.

Item 8B In the semivolatile MS/MSD analyses of sample CJW19, six (6) out of twenty-two (22) spike recoveries were outside the QC limits.

In the semivolatile MS/MSD analyses of sample CJW18, two (2) out of twenty-two (22) spike recoveries were outside the QC limits.

Item 8C In the pesticide/PCB MS/MSD analyses of sample CJW18, six (6) out of six (6) RPDs were outside the QC limits.

In the pesticide/PCB MS/MSD analyses of sample CJW20, six (6) out of six (6) RPDs and six (6) out of twelve (12) spike recoveries were outside the QC limits.

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES

Case:21162 SDG:CJW01/CJW25 Media:SOIL

Item 1B The semivolatile extraction of soil samples were performed eight (8) to twenty (20) days after the date of sample collection. Although no technical holding time for the extraction of semivolatiles in soil samples has been established, the technical holding time of seven (7) days for aqueous samples has been exceeded by one (1) to thirteen (13) days. The contractual holding time of ten (10) days from the validated time of sample receipt (VTSR) has been exceeded by nine (9) days.

Item 3A, 3B Several compounds failed precision criteria in the volatile and semivolatile initial calibrations (%RSD>30%).

3B 2,4-Diniterophenol and 4,6-dinitro-2-methylphenol had RRFs less than 0.05.

Item 4A, 4B Several compounds failed precision criteria in the volatile and semivolatile continuing calibrations (%D>25%).

4B 2,4-Diniterophenol and 4,6-dinitro-2-methylphenol had RRFs less than 0.05.

Item 5A The maximum concentrations of all compounds found in the analyses of the field blanks are listed below:

Compound	Concentration (ug/l)
Methylene chloride*	2 J
Acetone*	11 J
Chloroform	1 J
1,2-Dichloroethane	2 J
1,1,2,2-Tetrachloroethane	2 J
Toluene	1 J
Chlorobenzene	1 J
Total xylenes	2 J
Diethylphthalate*	1 J
Di-n-butylphthalate*	0.8 J
Butylbenzylphthalate*	1 J

* = Common laboratory contaminants

ORIGINAL (Red)

Item 6A The maximum concentrations of all compounds found in the analyses of the method blanks are listed below:

Compound	Concentration
Methylene chloride*	4 J ug/kg
Acetone*	13 ug/kg
Di-n-butylphthalate*	110 J ug/kg
Bis(2-Ethylhexyl)phthalate*	97 J ug/kg

* = Common laboratory contaminants

Item 7A In the volatile analyses, sample CJW01RE had one (1) system monitoring compound outside the QC limits.

Item 7C In the pesticide/PCB analyses, sample CJW13 had two (2) surrogate recoveries outside the lower QC limits on both columns. Sample CJW12 had three (3) surrogate recoveries outside the lower QC limits on both columns.

In the pesticide/PCB analyses, the laboratory method blanks PBLKPA, PBLKPC and PBLKPB had two (2) to three (3) surrogate recoveries outside the lower QC limits for TCX and/or DCB on both columns, indicating a poor extraction technique within the laboratory.

In the pesticide/PCB analyses, surrogates DCB and/or TCX had recoveries outside the lower QC limits in the MS/MSD analyses of sample CKW92.

In the pesticide/PCB analyses, the surrogate compound DCB had recovery outside the lower QC limits in sample CJW08 on one (1) column.

Item 8B In the semivolatile MS/MSD analyses of sample CKW92, one (1) out of eleven (11) RPDs and eleven (11) out of twenty-two (22) spike recoveries were outside the QC limits.

In the semivolatile MS/MSD analyses of sample CJW05, two (2) out of eleven (11) RPDs were outside the QC limits.

Item 10A In the volatile analyses, samples CJW01, CJW02, CJW04, and CJW09 had one (1) or more internal standards outside the QC limits. Reanalyses of the above samples produced similar results for CJW01 and CJW04 and better QC results for samples CJW02 and CJW09.

ORIGINAL
(Red)

Item 10B In the semivolatile analyses, samples CJW08 and CJW09 had one (1) or two (2) internal standards outside the QC limits. Reanalyses of the above samples yielded similar results for sample CJW09 and better QC data for sample CJW08.

In the semivolatile analyses, sample CJW14 had the response of the IS6 outside the QC limits. The laboratory did not reanalyze the sample as required due to an operator error.

Item 12C The "P" qualifier in the pesticide/PCB analyses Form Is denotes a percent difference over twenty-five percent (>25%) between the two (2) columns used for the analyses.

ORIGINAL (Red)

Appendix F

Support Documentation

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# 5970	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	10/9/93 1257			11/9/93 830			11/8/93 2223			11/11/93 1042			11/9/93 2052		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					30.2	C		52.1	C		50.1	C		26.0	C
Bromomethane															
Vinyl Chloride								32.4	C		26.2	C			
Chloroethane															
Methylene Chloride															
Acetone		72.8	I		78.1	C		72.8	C		67.4	C		69.8	C
Carbon Disulfide								25.5	C						
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone		36.1	I		35.4	C									
1,1,1-Trichloroethane															
Carbon Tetrachloride					25.2	C		30.5	C						
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					46.4	C		37.9	C		35.5	C		30.8	C
2-Hexanone					47.5	C		40.0	C		35.6	C		32.0	C
Tetrachloroethene															
1,1,2,2-Tetrachloroethane					29.3	C									
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

All samples on this page	VBLK02	VBLK01	VBLK03	VBLK02
	CJW01RE	CJW05	CKW92	CKW92MS
	CJW02RE	CJW01	CKW92MSD	VBLK03
	CJW04RE	CJW02	VBLK05	CJW08
	CJW05MS	CJW03	CJW11	CJW09RE
	CJW05MSD	CJW04	CJW14	
	CJW06			
	CJW07			
	CJW09			
	CJW10			
	CJW12			
	CJW13			

Reviewer Initials/Date: 3/22/94 [illegible]

* 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. 21162 CONTRACTOR ESAT

ORIGINAL

Instrument# 5970	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	11/7/93 1253			11/12/93 944											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane		32.0	I												
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone					32.6	C									
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone					36.5	C									
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					36.3	C									
Tetrachloroethene															
1,1,2,2-Tetrachloroethane					27.5	C									
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

All Samples on this page	VBLK04	VBLK06
	CJW25	CJW19MSD
	CJW26	CJW20
	CJW27	CJW21
	CJW16	CJW22
	CJW18	CJW23
	CJW18MS	
	CJW18MSD	
	CJW29	
	→	

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# 5995	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	11/9/93 1208			11/9/93 2133											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane		48.5	I		36.2	C									
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride		33.6	I												
Acetone					26.5	C									
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone					35.6	C									
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															
Styrene															
Total Xylenes															

AFFECTED SAMPLES: All Samples on this page

UBLK01
CTW28
UBLK04
CTW19
CTW19MS
CTW24

Reviewer Initials/Date: AAH 3/22/94

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# 5970	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	11/12/93 0045			11/13/93 837											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane		41.2	I		31.2	C									
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone															
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone															
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															
Styrene															
Total Xylenes															

AFFECTED SAMPLES: All Samples on this page — VBLK05, CTW15

Reviewer Initials/Date: MH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	11-30-93 1706			12-01-93 747											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene					33.7	C									
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol		51.0	I		64.8	C									
4-Nitrophenol															

AFFECTED SAMPLES: All samples on this page SBLK01

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	11-30-93 1706			12-1-93 747											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol					32.2	C									
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol					28.9	C									
Phenanthrene															
Anthracene															
Carbazole															
Di-n-butylphthalate															
Fluoranthene															
Pyrene					26.0	C									
Butylbenzylphthalate					45.4	C									
3,3-Dichlorobenzidine															
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate					56.6	C									
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					25.2	C									

AFFECTED SAMPLES: All samples on this page SALK01

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 1212			12-8-93 1020			12-6-93 2350			12-6-93 745			12-3-93 1527		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether								25.7	C						
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene								39.6	C		45.2			25.9	C
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol		64.3	I	0.028	63.6	FC	0.024	68.8	FC	0.012	84.4	FC	0.015	75.4	FC
4-Nitrophenol								27.3	C						

AFFECTED SAMPLES:

All Samples on this Page	CJW07	CJW92MSD	SBLK01	CJW19
	CJW08	CJW01	SBLK02	CJW20
	CJW09	CJW02	SBLK04	
	SBLK05	CJW03		
	CJW10			
	CJW11			
	CJW12			
	CJW13			
	CJW14			

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 1212			12-8-93 1020			12-6-93 2350			12-6-93 745			12-3-93 1527		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline								29.1	C						
4,6-Dinitro-2-methylphenol		63.2	I				0.041	40.6	C	0.035	49.3	FC	0.036	47.8	FC
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol		31.4	I												
Phenanthrene															
Anthracene															
Carbazole															
Di-n-butylphthalate								125.0	C						
Fluoranthene															
Pyrene								29.8	C						
Butylbenzylphthalate															
3,3-Dichlorobenzidine															
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate								43.0	C						
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															

AFFECTED SAMPLES:				
	All Samples on this page	CJW07	CKW92MSD	SBLK01	CJW19
		CJW08	CJW01	SBLK02	CJW20
		CJW09	CJW02	SBLK04	
		SBLK05	CJW03		
		CJW10			
		CJW11			
		CJW12			
		CJW13			
		CJW14			

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 1212			12-4-93 1314			12-3-93 2131			12-8-93 1020			12-7-93 2020		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
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		64.3	I	0.031	59.7	FC	0.037	51.9	FC	0.028	54.1	FC			
4-Nitrophenol															

AFFECTED SAMPLES:

All Samples on this page	CJW26	CJW21	
	CJW27	CJW22	SBLK04	CJW08RE
	CJW28	CJW23	CJW92RE	CJW09RE
	CJW15	CJW24		
	CJW16	SBLK03		
	CJW18	CJW19MS		
	CJW18MS	CJW19MSD		
	CJW18MSD			
	SBLK03			
	CJW92MS			

Reviewer Initials/Date: MAH 3-22-93

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 12 12			12-4-93 1314			12-3-93 2131			12-8-93 1020			12-7-93 2020		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol		63.2	I											47.8	C
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol		31.4	I											34.9	C
Phenanthrene															
Anthracene															
Carbazole															
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															

AFFECTED SAMPLES:					
	All samples on this page	CJW26	CJW21	SBLK04	CJW08RE
		CJW27	CJW22	CKW92RE	CJW09RE
		CJW28	CJW23		
		CJW15	CJW24		
		CJW16	SBLK03		
		CJW18	CJW19MS		
		CJW18MS	CJW19MSD		
		CJW18MSD			
		SBLK03			
		CKW92MS			

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 1212			12-7-93 1058			12-3-93 2131								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether					37.2	C									
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene					48.2	C									
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol		64.3	I	0.045	26.2	FC	0.037	39.3	FC						
4-Nitrophenol															

AFFECTED SAMPLES:

All samples on this page

CJW04
CJW05
CJW05MS
CJW05MSD
CJW06

SBLK02
CTW25

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

TABLE I

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

CASE/SAS No. 21162 CONTRACTOR ESAT

Instrument# MS2	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12-3-93 1212			12-7-93 1058			12-3-93 2131								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol		63.2	I												
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol		31.4	I												
Phenanthrene															
Anthracene															
Carbazole															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine															
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate					33.3	C									
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															

AFFECTED SAMPLES:

All samples on this page	CJW04	SBLK02
	CJW05	CTW25
	CJW05MS	
	CJW05MSD	
	CJW06	

Reviewer Initials/Date: MAH 3-22-94

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

ORIGINAL (Red)

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.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:5970 Calibration Date(s):10/09/93 10/09/93

Heated Purge: (Y/N) Y Calibration Times: 1257 1708

GC Column:RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =Y8217 RRF20 =Y8219
RRF50 =Y8220 RRF100=Y8213 RRF200=Y8215

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.248	0.908	1.016	1.020	0.824	1.003	15.9	
Bromomethane	*	1.579	1.157	1.270	1.247	1.057	1.262	15.5	*
Vinyl Chloride	*	1.311	0.980	1.003	1.051	0.888	1.047	15.2	*
Chloroethane		0.847	0.606	0.640	0.638	0.506	0.647	19.2	
Methylene Chloride		1.898	1.310	1.370	1.292	1.194	1.413	19.7	
Acetone		2.502	1.442	0.821	0.565	0.460	1.158	72.8	
Carbon Disulfide		4.632	3.436	3.574	3.756	3.322	3.744	13.9	
1,1-Dichloroethene	*	1.626	1.198	1.242	1.297	1.127	1.298	14.9	*
1,1-Dichloroethane	*	2.897	2.213	2.363	2.287	2.104	2.373	13.0	*
1,2-Dichloroethene (total)		1.711	1.300	1.398	1.407	1.278	1.419	12.2	
Chloroform	*	3.430	2.600	2.818	2.670	2.514	2.806	13.0	*
1,2-Dichloroethane	*	1.954	1.528	1.665	1.502	1.452	1.620	12.5	*
2-Butanone		1.026	0.316	0.824	0.692	0.733	0.718	36.1	
1,1,1-Trichloroethane	*	0.751	0.585	0.575	0.569	0.536	0.603	14.0	*
Carbon Tetrachloride	*	0.756	0.596	0.554	0.559	0.533	0.600	15.0	*
Bromodichloromethane	*	0.852	0.687	0.706	0.661	0.636	0.708	11.9	*
1,2-Dichloropropane		0.487	0.385	0.389	0.368	0.342	0.394	14.0	
cis-1,3-Dichloropropene	*	0.643	0.514	0.541	0.533	0.516	0.549	9.8	*
Trichloroethene	*	0.552	0.431	0.432	0.430	0.405	0.450	12.9	*
Dibromochloromethane	*	0.883	0.710	0.717	0.690	0.666	0.733	11.7	*
1,1,2-Trichloroethane	*	0.490	0.393	0.387	0.376	0.342	0.398	13.9	*
Benzene	*	1.090	0.850	0.878	0.838	0.790	0.889	13.1	*
trans-1,3-Dichloropropene	*	0.546	0.452	0.473	0.476	0.464	0.482	7.6	*
Bromoform	*	0.742	0.637	0.652	0.632	0.633	0.659	7.1	*
4-Methyl-2-Pentanone		0.659	0.615	0.572	0.551	0.542	0.588	8.3	
2-Hexanone		0.503	0.486	0.459	0.439	0.430	0.463	6.7	
Tetrachloroethene	*	0.627	0.495	0.481	0.489	0.431	0.505	14.4	*
1,1,2,2-Tetrachloroethane	*	1.155	0.939	0.944	0.907	0.843	0.958	12.3	*
Toluene	*	1.511	1.201	1.224	1.212	1.107	1.251	12.2	*
Chlorobenzene	*	1.259	0.976	0.995	0.978	0.902	1.022	13.4	*
Ethylbenzene	*	0.552	0.437	0.456	0.465	0.429	0.468	10.5	*
Styrene	*	1.079	0.886	0.964	0.974	0.881	0.957	8.4	*
Xylene (total)	*	0.646	0.532	0.556	0.560	0.508	0.560	9.3	*
Toluene-d8		0.968	0.903	1.110	1.028	0.970	0.996	7.8	
Bromofluorobenzene	*	0.598	0.540	0.705	0.662	0.623	0.626	10.0	*
1,2-Dichloroethane-d4		1.263	1.133	1.425	1.265	1.221	1.261	8.4	

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

ORIGINAL (Red)

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Instrument ID: 5970 Calibration Date: 11/08/93 Time: 2223

Lab File ID: Y9062 Init. Calib. Date(s): 10/09/93 10/09/93

Heated Purge: (Y/N) Y Init. Calib. Times: 1257 1708

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
Chloromethane	1.003	0.480		52.1		VBLCo
Bromomethane	1.262	1.032	0.100	18.2	25.0	CJW05
Vinyl Chloride	1.047	0.708	0.100	32.4	25.0	CJW01
Chloroethane	0.647	0.544		15.9		CJW[illegible]
Methylene Chloride	1.413	1.208		14.5		CJW03
Acetone	1.158	0.315		72.8		CJW04
Carbon Disulfide	3.744	2.788		25.5		
1,1-Dichloroethene	1.298	1.008	0.100	22.3	25.0	
1,1-Dichloroethane	2.373	1.832	0.200	22.8	25.0	
1,2-Dichloroethene (total)	1.419	1.178		17.0		
Chloroform	2.806	2.197	0.200	21.7	25.0	
1,2-Dichloroethane	1.620	1.256	0.100	22.5	25.0	
2-Butanone	0.718	0.560		22.0		
1,1,1-Trichloroethane	0.603	0.464	0.100	23.0	25.0	
Carbon Tetrachloride	0.600	0.417	0.100	30.5	25.0	
Bromodichloromethane	0.708	0.568	0.200	19.8	25.0	
1,2-Dichloropropane	0.394	0.308		21.8		
cis-1,3-Dichloropropene	0.549	0.437	0.200	20.4	25.0	
Trichloroethene	0.450	0.369	0.300	18.0	25.0	
Dibromochloromethane	0.733	0.618	0.100	15.7	25.0	
1,1,2-Trichloroethane	0.398	0.328	0.100	17.6	25.0	
Benzene	0.889	0.721	0.500	18.9	25.0	
trans-1,3-Dichloropropene	0.482	0.378	0.100	21.6	25.0	
Bromoform	0.659	0.565	0.100	14.3	25.0	
4-Methyl-2-Pentanone	0.588	0.365		37.9		
2-Hexanone	0.463	0.278		40.0		
Tetrachloroethene	0.505	0.392	0.200	22.4	25.0	
1,1,2,2-Tetrachloroethane	0.958	0.754	0.500	21.3	25.0	
Toluene	1.251	0.978	0.400	21.8	25.0	
Chlorobenzene	1.022	0.851	0.500	16.7	25.0	
Ethylbenzene	0.468	0.367	0.100	21.6	25.0	
Styrene	0.957	0.786	0.300	17.9	25.0	
Xylene (total)	0.560	0.465	0.300	17.0	25.0	
Toluene-d8	0.996	1.042		4.6		
Bromofluorobenzene	0.626	0.698	0.200	11.5	25.0	
1,2-Dichloroethane-d4	1.261	1.242		1.5		

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Instrument ID: 5970 Calibration Date: 11/09/93 Time: 0830

Lab File ID: Y9078 Init. Calib. Date(s): 10/09/93 10/09/93

Heated Purge: (Y/N) Y Init. Calib. Times: 1257 1708

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
						VBLK02
Chloromethane	1.003	0.700		30.2		CJW01RE
Bromomethane	1.262	1.075	0.100	14.8	25.0	CJW02RE
Vinyl Chloride	1.047	0.808	0.100	22.8	25.0	CJW04RE
Chloroethane	0.647	0.573		11.4		CJW05MS
Methylene Chloride	1.413	1.247		11.7		CJW05MSD
Acetone	1.158	0.254		78.1		CJW06
Carbon Disulfide	3.744	3.037		18.9		CJW07
1,1-Dichloroethene	1.298	1.089	0.100	16.1	25.0	CJW09
1,1-Dichloroethane	2.373	1.873	0.200	21.1	25.0	CJW10
1,2-Dichloroethene (total)	1.419	1.255		11.6		CJW12
Chloroform	2.806	2.426	0.200	13.5	25.0	CJW13
1,2-Dichloroethane	1.620	1.304	0.100	19.5	25.0	
2-Butanone	0.718	0.464		35.4		
1,1,1-Trichloroethane	0.603	0.502	0.100	16.7	25.0	
Carbon Tetrachloride	0.600	0.449	0.100	25.2	25.0	
Bromodichloromethane	0.708	0.604	0.200	14.7	25.0	
1,2-Dichloropropane	0.394	0.304		22.8		
cis-1,3-Dichloropropene	0.549	0.463	0.200	15.7	25.0	
Trichloroethene	0.450	0.410	0.300	8.9	25.0	
Dibromochloromethane	0.733	0.631	0.100	13.9	25.0	
1,1,2-Trichloroethane	0.398	0.329	0.100	17.3	25.0	
Benzene	0.889	0.777	0.500	12.6	25.0	
trans-1,3-Dichloropropene	0.482	0.383	0.100	20.5	25.0	
Bromoform	0.659	0.503	0.100	23.7	25.0	
4-Methyl-2-Pentanone	0.588	0.315		46.4		
2-Hexanone	0.463	0.243		47.5		
Tetrachloroethene	0.505	0.456	0.200	9.7	25.0	
1,1,2,2-Tetrachloroethane	0.958	0.677	0.500	29.3	25.0	
Toluene	1.251	1.109	0.400	11.4	25.0	
Chlorobenzene	1.022	0.919	0.500	10.1	25.0	
Ethylbenzene	0.468	0.410	0.100	12.4	25.0	
Styrene	0.957	0.836	0.300	12.6	25.0	
Xylene (total)	0.560	0.502	0.300	10.4	25.0	
Toluene-d8	0.996	1.097		10.1		
Bromofluorobenzene	0.626	0.662	0.200	5.8	25.0	
1,2-Dichloroethane-d4	1.261	1.213		3.8		

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA 3/90

ORIGINAL (Red)

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:5995 Calibration Date(s):11/09/93 11/09/93

Heated Purge: (Y/N) N Calibration Times: 1208 1957

GC Column:RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =C5146 RRF20 =C5147
RRF50 =C5153 RRF100=C5155 RRF200=C5154

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	RRF	R
Chloromethane		1.986	1.490	1.158	0.712	0.581	1.185	48
Bromomethane	*	2.694	2.446	3.021	1.834	1.797	2.358	22
Vinyl Chloride	*	2.425	2.123	2.074	1.372	1.209	1.841	[illegible]
Chloroethane		1.676	1.460	1.683	1.122	1.096	1.407	20.
Methylene Chloride		3.581	2.761	2.078	1.810	1.644	2.375	33
Acetone		1.049	0.972	0.778	0.600	0.548	0.789	28
Carbon Disulfide		7.146	6.705	6.554	5.262	5.055	6.144	15.
1,1-Dichloroethene	*	2.411	2.262	2.372	1.777	1.721	2.109	15.
1,1-Dichloroethane	*	3.774	4.018	3.490	3.049	2.797	3.426	14.
1,2-Dichloroethene (total)		2.084	2.020	1.630	1.612	1.404	1.750	16.
Chloroform	*	3.917	4.500	4.038	3.305	3.459	3.844	12.
1,2-Dichloroethane	*	3.520	4.086	3.790	2.802	3.123	3.464	14.
2-Butanone		0.925	0.810	0.590	0.561	0.474	0.672	28.
1,1,1-Trichloroethane	*	1.029	1.226	0.849	1.097	0.991	1.038	13.
Carbon Tetrachloride	*	1.001	1.208	0.878	1.087	0.996	1.034	11.
Bromodichloromethane	*	1.173	1.388	1.027	0.994	1.209	1.158	13.
1,2-Dichloropropane		0.502	0.566	0.435	0.345	0.464	0.462	17.
cis-1,3-Dichloropropene	*	0.973	1.083	0.835	0.924	0.998	0.963	9.
Trichloroethene	*	0.565	0.618	0.484	0.456	0.485	0.522	12.
Dibromochloromethane	*	1.140	1.373	1.019	1.171	1.256	1.192	11.
1,1,2-Trichloroethane	*	0.566	0.632	0.452	0.495	0.487	0.526	1
Benzene	*	1.061	1.109	0.702	0.941	0.797	0.922	18
trans-1,3-Dichloropropene	*	1.041	1.241	0.954	1.072	1.175	1.097	10.
Bromoform	*	0.896	1.112	0.858	1.060	1.151	1.015	12.
4-Methyl-2-Pentanone		0.534	0.586	0.536	0.479	0.422	0.511	12.
2-Hexanone		0.486	0.473	0.382	0.413	0.341	0.419	14.
Tetrachloroethene	*	0.533	0.537	0.449	0.401	0.375	0.459	16.
1,1,2,2-Tetrachloroethane	*	0.951	0.960	0.844	0.797	0.748	0.860	10.
Toluene	*	1.396	1.440	1.270	1.150	1.096	1.270	11.8
Chlorobenzene	*	1.222	1.252	1.034	0.969	0.890	1.073	14.7
Ethylbenzene	*	0.569	0.576	0.491	0.455	0.409	0.500	14.
Styrene	*	1.246	1.324	1.136	1.030	0.925	1.132	14.
Xylene (total)	*	0.740	0.758	0.632	0.561	0.503	0.639	17.3
Toluene-d8		1.400	1.174	1.032	1.039	0.979	1.125	15.
Bromofluorobenzene	*	1.021	0.851	0.769	0.759	0.677	0.815	16.
1,2-Dichloroethane-d4		3.043	3.077	3.059	2.450	2.635	2.853	10.2

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

000321

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:5995 Calibration Date:11/09/93 Time:2133

Lab File ID:C5156 Init. Calib. Date(s):11/09/93 11/09/93

Heated Purge: (Y/N) N Init. Calib. Times: 1208 1957

GC Column:RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
Chloromethane	1.185	0.756		36.2		VBLK01
Bromomethane	2.358	2.130	0.100	9.7	25.0	CJW28
Vinyl Chloride	1.841	1.477	0.100	19.8	25.0	VBLK04
Chloroethane	1.407	1.199		14.8		
Methylene Chloride	2.375	1.797		24.3		CJW19
Acetone	0.789	0.580		26.5		CJW19MS
Carbon Disulfide	6.144	5.248		14.6		CJW24
1,1-Dichloroethene	2.109	1.773	0.100	15.9	25.0	
1,1-Dichloroethane	3.426	2.866	0.200	16.3	25.0	
1,2-Dichloroethene (total)	1.750	1.500		14.3		
Chloroform	3.844	3.309	0.200	13.9	25.0	
1,2-Dichloroethane	3.464	2.912	0.100	15.9	25.0	
2-Butanone	0.672	0.433		35.6		
1,1,1-Trichloroethane	1.038	0.933	0.100	10.1	25.0	
Carbon Tetrachloride	1.034	0.806	0.100	22.0	25.0	
Bromodichloromethane	1.158	1.114	0.200	3.8	25.0	
1,2-Dichloropropane	0.462	0.479		3.7		
cis-1,3-Dichloropropene	0.963	0.963	0.200	0.0	25.0	
Trichloroethene	0.522	0.482	0.300	7.7	25.0	
Dibromochloromethane	1.192	1.213	0.100	1.8	25.0	
1,1,2-Trichloroethane	0.526	0.543	0.100	3.2	25.0	
Benzene	0.922	0.832	0.500	9.8	25.0	
trans-1,3-Dichloropropene	1.097	1.079	0.100	1.6	25.0	
Bromoform	1.015	1.061	0.100	4.5	25.0	
4-Methyl-2-Pentanone	0.511	0.419		18.0		
2-Hexanone	0.419	0.341		18.6		
Tetrachloroethene	0.459	0.393	0.200	14.4	25.0	
1,1,2,2-Tetrachloroethane	0.860	0.722	0.500	16.0	25.0	
Toluene	1.270	1.069	0.400	15.8	25.0	
Chlorobenzene	1.073	0.925	0.500	13.8	25.0	
Ethylbenzene	0.500	0.438	0.100	12.4	25.0	
Styrene	1.132	1.007	0.300	11.0	25.0	
Xylene (total)	0.639	0.556	0.300	13.0	25.0	
Toluene-d8	1.125	0.989		12.1		
Bromofluorobenzene	0.815	0.697	0.200	14.5	25.0	
1,2-Dichloroethane-d4	2.853	2.528		11.4		

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA

3/90

6A

ORIGINAL (Red)

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:5970 Calibration Date(s):11/12/93 11/13/93

Heated Purge: (Y/N) N Calibration Times: 0045 2313

GC Column:RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =Y9212 RRF20 =Y9217
RRF50 =Y9210 RRF100=Y9216 RRF200=Y9215

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		0.795	0.308	0.660	0.305	0.562	0.526	41.2	
Bromomethane	*	1.314	1.141	1.139	1.225	1.152	1.194	6.3	*
Vinyl Chloride	*	0.929	0.679	0.820	0.644	0.789	0.772	14.8	*
Chloroethane		0.650	0.597	0.605	0.622	0.564	0.608	5.2	
Methylene Chloride		1.594	1.348	1.216	1.276	1.216	1.330	11.8	
Acetone		0.195	0.285	0.203	0.171	0.154	0.202	25.0	
Carbon Disulfide		3.500	3.184	3.183	3.387	3.304	3.312	4.1	
1,1-Dichloroethene	*	1.271	1.192	1.163	1.245	1.216	1.217	3.5	*
1,1-Dichloroethane	*	2.265	2.140	2.047	2.230	2.100	2.156	4.2	*
1,2-Dichloroethene (total)		1.372	1.318	1.289	1.391	1.336	1.341	3.0	
Chloroform	*	2.754	2.618	2.540	2.705	2.586	2.641	3.3	*
1,2-Dichloroethane	*	1.368	1.486	1.276	1.455	1.376	1.392	5.9	*
2-Butanone		0.310	0.512	0.319	0.361	0.355	0.371	22.0	
1,1,1-Trichloroethane	*	0.543	0.518	0.540	0.555	0.545	0.540	2.5	*
Carbon Tetrachloride	*	0.568	0.576	0.554	0.578	0.572	0.570	1.7	*
Bromodichloromethane	*	0.605	0.630	0.629	0.661	0.616	0.628	3.3	*
1,2-Dichloropropane		0.317	0.333	0.323	0.351	0.332	0.331	3.9	
cis-1,3-Dichloropropene	*	0.408	0.445	0.463	0.503	0.483	0.460	7.9	*
Trichloroethene	*	0.407	0.416	0.414	0.437	0.428	0.420	2.8	*
Dibromochloromethane	*	0.576	0.644	0.627	0.654	0.633	0.627	4.8	*
1,1,2-Trichloroethane	*	0.289	0.327	0.324	0.341	0.314	0.319	6.1	*
Benzene	*	0.766	0.767	0.770	0.818	0.796	0.783	2.9	*
trans-1,3-Dichloropropene	*	0.311	0.365	0.398	0.422	0.411	0.381	11.8	*
Bromoform	*	0.394	0.480	0.465	0.497	0.472	0.462	8.6	*
4-Methyl-2-Pentanone		0.190	0.285	0.250	0.288	0.270	0.257	15.6	
2-Hexanone		0.138	0.202	0.196	0.176	0.164	0.175	14.7	
Tetrachloroethene	*	0.470	0.468	0.433	0.501	0.488	0.472	5.4	*
1,1,2,2-Tetrachloroethane	*	0.498	0.650	0.541	0.600	0.604	0.579	10.2	*
Toluene	*	1.105	1.180	1.087	1.251	1.192	1.163	5.8	*
Chlorobenzene	*	0.940	0.968	0.895	1.008	0.974	0.957	4.4	*
Ethylbenzene	*	0.399	0.411	0.386	0.467	0.449	0.422	8.1	*
Styrene	*	0.771	0.835	0.812	0.920	0.913	0.850	7.6	*
Xylene (total)	*	0.474	0.487	0.499	0.563	0.544	0.513	7.4	*
Toluene-d8		1.370	1.253	1.100	1.298	1.162	1.237	8.7	
Bromofluorobenzene	*	0.828	0.757	0.678	0.769	0.707	0.748	7.8	*
1,2-Dichloroethane-d4		1.602	1.499	1.274	1.467	1.286	1.426	10.0	

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

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:5970 Calibration Date:11/09/93 Time:2052

Lab File ID:Y9099 Init. Calib. Date(s):10/09/93 10/09/93

Heated Purge: (Y/N) Y Init. Calib. Times: 1257 1708

GC Column:RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.003	0.742		26.0	
Bromomethane	1.262	1.117	0.100	11.5	25.0
Vinyl Chloride	1.047	0.819	0.100	21.8	25.0
Chloroethane	0.647	0.612		5.4	
Methylene Chloride	1.413	1.264		10.5	
Acetone	1.158	0.350		69.8	
Carbon Disulfide	3.744	3.231		13.7	
1,1-Dichloroethene	1.298	1.184	0.100	8.8	25.0
1,1-Dichloroethane	2.373	1.981	0.200	16.5	25.0
1,2-Dichloroethene (total)	1.419	1.321		6.9	
Chloroform	2.806	2.500	0.200	10.9	25.0
1,2-Dichloroethane	1.620	1.372	0.100	15.3	25.0
2-Butanone	0.718	0.606		15.6	
1,1,1-Trichloroethane	0.603	0.524	0.100	13.1	25.0
Carbon Tetrachloride	0.600	0.470	0.100	21.7	25.0
Bromodichloromethane	0.708	0.636	0.200	10.2	25.0
1,2-Dichloropropane	0.394	0.329		16.5	
cis-1,3-Dichloropropene	0.549	0.476	0.200	13.3	25.0
Trichloroethene	0.450	0.412	0.300	8.4	25.0
Dibromochloromethane	0.733	0.687	0.100	6.3	25.0
1,1,2-Trichloroethane	0.398	0.364	0.100	8.5	25.0
Benzene	0.889	0.801	0.500	9.9	25.0
trans-1,3-Dichloropropene	0.482	0.404	0.100	16.2	25.0
Bromoform	0.659	0.588	0.100	10.8	25.0
4-Methyl-2-Pentanone	0.588	0.407		30.8	
2-Hexanone	0.463	0.315		32.0	
Tetrachloroethene	0.505	0.468	0.200	7.3	25.0
1,1,2,2-Tetrachloroethane	0.958	0.877	0.500	8.4	25.0
Toluene	1.251	1.146	0.400	8.4	25.0
Chlorobenzene	1.022	0.940	0.500	8.0	25.0
Ethylbenzene	0.468	0.424	0.100	9.4	25.0
Styrene	0.957	0.884	0.300	7.6	25.0
Xylene (total)	0.560	0.520	0.300	7.1	25.0
Toluene-d8	0.996	1.106		11.0	
Bromofluorobenzene	0.626	0.684	0.200	9.3	25.0
1,2-Dichloroethane-d4	1.261	1.234		2.1	

VBLK02
CKW92MS
VBLK03
CJW08
CJW09RE

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA 3/90

7A

ORIGINAL (Red)

VOLATILE CONTINUING CALIBRATION CHECK

ab Name:ABB-ES Contract:68-D2-0025

ab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

nstrument ID:5970 Calibration Date:11/11/93 Time:1042

ab File ID:Y9154 Init. Calib. Date(s):10/09/93 10/09/93

eated Purge: (Y/N) Y Init. Calib. Times: 1257 1708

C Column:RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.003	0.500		50.1	
Bromomethane	1.262	1.187	0.100	5.9	25.0
Vinyl Chloride	1.047	0.773	0.100	26.2	25.0
Chloroethane	0.647	0.589		9.0	
Methylene Chloride	1.413	1.366		3.3	
Acetone	1.158	0.378		67.4	
Carbon Disulfide	3.744	3.314		11.5	
1,1-Dichloroethene	1.298	1.220	0.100	6.0	25.0
1,1-Dichloroethane	2.373	2.169	0.200	8.6	25.0
1,2-Dichloroethene (total)	1.419	1.429		0.7	
Chloroform	2.806	2.747	0.200	2.1	25.0
1,2-Dichloroethane	1.620	1.526	0.100	5.8	25.0
2-Butanone	0.718	0.545		24.1	
1,1,1-Trichloroethane	0.603	0.616	0.100	2.2	25.0
Carbon Tetrachloride	0.600	0.536	0.100	10.7	25.0
Bromodichloromethane	0.708	0.695	0.200	1.8	25.0
1,2-Dichloropropane	0.394	0.342		13.2	
cis-1,3-Dichloropropene	0.549	0.528	0.200	3.8	25.0
Trichloroethene	0.450	0.452	0.300	0.4	25.0
Dibromochloromethane	0.733	0.725	0.100	1.1	25.0
1,1,2-Trichloroethane	0.398	0.371	0.100	6.8	25.0
Benzene	0.889	0.843	0.500	5.2	25.0
trans-1,3-Dichloropropene	0.482	0.463	0.100	3.9	25.0
Bromoform	0.659	0.651	0.100	1.2	25.0
4-Methyl-2-Pentanone	0.588	0.379		35.5	
2-Hexanone	0.463	0.298		35.6	
Tetrachloroethene	0.505	0.509	0.200	0.8	25.0
1,1,2,2-Tetrachloroethane	0.958	0.866	0.500	9.6	25.0
Toluene	1.251	1.239	0.400	1.0	25.0
Chlorobenzene	1.022	1.051	0.500	2.8	25.0
Ethylbenzene	0.468	0.474	0.100	1.3	25.0
Styrene	0.957	0.955	0.300	0.2	25.0
Xylene (total)	0.560	0.561	0.300	0.2	25.0
Toluene-d8	0.996	1.112		11.6	
Bromofluorobenzene	0.626	0.709	0.200	13.2	25.0
1,2-Dichloroethane-d4	1.261	1.297		2.8	

VBLK03
~~CJW92~~
CJW92
CJW92MSD
VBLK05
CJW11
CJW14

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA 3/90

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:5970 Calibration Date(s):11/07/93 11/07/93

Heated Purge: (Y/N) N Calibration Times: 1253 1919

GC Column:RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =Y9026 RRF20 =Y9019
RRF50 =Y9020 RRF100=Y9021 RRF200=Y9023

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.142	0.702	0.665	0.484	0.849	0.768	32.0	
Bromomethane	*	0.982	1.790	1.315	1.405	1.327	1.364	21.1	*
Vinyl Chloride	*	1.524	1.090	0.937	0.839	0.994	1.077	24.7	*
Chloroethane		1.103	0.944	0.686	0.736	0.683	0.830	22.4	
Methylene Chloride		2.317	2.176	1.465	1.441	1.389	1.758	25.6	
Acetone		0.271	0.248	0.199	0.202	0.183	0.221	16.8	
Carbon Disulfide		5.695	5.091	3.602	3.814	3.766	4.394	21.4	
1,1-Dichloroethene	*	2.002	1.711	1.316	1.436	1.387	1.570	18.1	*
1,1-Dichloroethane	*	3.465	3.131	2.321	2.450	2.419	2.757	18.5	*
1,2-Dichloroethene (total)		2.160	1.985	1.474	1.557	1.542	1.744	17.7	
Chloroform	*	4.170	3.764	2.776	2.857	2.897	3.293	19.2	*
1,2-Dichloroethane	*	2.024	1.890	1.404	1.476	1.504	1.660	16.7	*
2-Butanone		0.642	0.570	0.422	0.399	0.364	0.479	25.1	
1,1,1-Trichloroethane	*	0.770	0.709	0.559	0.554	0.614	0.641	14.8	*
Carbon Tetrachloride	*	0.795	0.726	0.548	0.547	0.620	0.647	17.0	*
Bromodichloromethane	*	0.902	0.828	0.649	0.664	0.701	0.749	14.8	*
1,2-Dichloropropane		0.540	0.471	0.373	0.362	0.382	0.426	18.1	
cis-1,3-Dichloropropene	*	0.645	0.637	0.502	0.523	0.564	0.574	11.3	*
Trichloroethene	*	0.595	0.567	0.433	0.433	0.468	0.499	15.4	*
Dibromochloromethane	*	0.820	0.778	0.623	0.653	0.703	0.715	11.6	*
1,1,2-Trichloroethane	*	0.451	0.418	0.331	0.331	0.350	0.376	14.6	*
Benzene	*	1.232	1.108	0.870	0.844	0.915	0.994	17.0	*
trans-1,3-Dichloropropene	*	0.503	0.514	0.412	0.438	0.474	0.468	9.2	*
Bromoform	*	0.580	0.550	0.461	0.485	0.528	0.521	9.2	*
4-Methyl-2-Pentanone		0.318	0.329	0.278	0.247	0.258	0.286	12.6	
2-Hexanone		0.198	0.248	0.197	0.189	0.189	0.204	12.2	
Tetrachloroethene	*	0.688	0.619	0.493	0.489	0.511	0.560	15.9	*
1,1,2,2-Tetrachloroethane	*	0.814	0.762	0.632	0.602	0.658	0.694	13.0	*
Toluene	*	1.707	1.644	1.275	1.233	1.282	1.428	15.9	*
Chlorobenzene	*	1.457	1.316	1.039	1.028	1.063	1.181	16.5	*
Ethylbenzene	*	0.625	0.592	0.474	0.474	0.488	0.531	13.6	*
Styrene	*	1.260	1.219	0.963	0.982	1.004	1.086	13.1	*
Xylene (total)	*	0.749	0.711	0.563	0.575	0.596	0.639	13.3	*
Toluene-d8		1.350	1.474	1.123	1.171	1.127	1.249	12.5	
Bromofluorobenzene	*	0.839	0.875	0.673	0.720	0.721	0.766	11.3	*
1,2-Dichloroethane-d4		1.593	1.586	1.196	1.312	1.260	1.389	13.5	

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

ORIGINAL (Red)

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:5970 Calibration Date:11/12/93 Time:0944

Lab File ID:Y9191 Init. Calib. Date(s):11/07/93 11/07/93

Heated Purge: (Y/N) N Init. Calib. Times: 1253 1919

GC Column:RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.768	0.764		0.5	
Bromomethane	1.364	1.385	0.100	1.5	25.0
Vinyl Chloride	1.077	1.005	0.100	6.7	25.0
Chloroethane	0.830	0.726		12.5	
Methylene Chloride	1.758	1.837		4.5	
Acetone	0.221	0.149		32.6	
Carbon Disulfide	4.394	3.890		11.5	
1,1-Dichloroethene	1.570	1.420	0.100	9.6	25.0
1,1-Dichloroethane	2.757	2.446	0.200	11.3	25.0
1,2-Dichloroethene (total)	1.744	1.568		10.1	
Chloroform	3.293	2.963	0.200	10.0	25.0
1,2-Dichloroethane	1.660	1.472	0.100	11.3	25.0
2-Butanone	0.479	0.304		36.5	
1,1,1-Trichloroethane	0.641	0.575	0.100	10.3	25.0
Carbon Tetrachloride	0.647	0.597	0.100	7.7	25.0
Bromodichloromethane	0.749	0.661	0.200	11.7	25.0
1,2-Dichloropropane	0.426	0.346		18.8	
cis-1,3-Dichloropropene	0.574	0.505	0.200	12.0	25.0
Trichloroethene	0.499	0.447	0.300	10.4	25.0
Dibromochloromethane	0.715	0.598	0.100	16.4	25.0
1,1,2-Trichloroethane	0.376	0.310	0.100	17.6	25.0
Benzene	0.994	0.846	0.500	14.9	25.0
trans-1,3-Dichloropropene	0.468	0.405	0.100	13.5	25.0
Bromoform	0.521	0.404	0.100	22.4	25.0
4-Methyl-2-Pentanone	0.286	0.217		24.1	
2-Hexanone	0.204	0.130		36.3	
Tetrachloroethene	0.560	0.513	0.200	8.4	25.0
1,1,2,2-Tetrachloroethane	0.694	0.503	0.500	27.5	25.0
Toluene	1.428	1.291	0.400	9.6	25.0
Chlorobenzene	1.181	1.051	0.500	11.0	25.0
Ethylbenzene	0.531	0.469	0.100	11.7	25.0
Styrene	1.086	0.938	0.300	13.6	25.0
Xylene (total)	0.639	0.569	0.300	11.0	25.0
Toluene-d8	1.249	1.141		8.6	
Bromofluorobenzene	0.766	0.665	0.200	13.2	25.0
1,2-Dichloroethane-d4	1.389	1.277		8.1	

VBLK04
CJW25
CJW26
CJW27
CJW
CJW
CJW18MS
CJW18MSD
CJW29
VBLK06
CJW19MSD
CJW20
CJW21
CJW22
CJW23

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA 3/90

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:5970 Calibration Date:11/13/93 Time:0837

Lab File ID:Y9219 Init. Calib. Date(s):11/12/93 11/13/93

Heated Purge: (Y/N) N Init. Calib. Times: 0045 2313

GC Column:RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.526	0.690		31.2	
Bromomethane	1.194	1.295	0.100	8.4	25.0
Vinyl Chloride	0.772	0.939	0.100	21.6	25.0
Chloroethane	0.608	0.665		9.4	
Methylene Chloride	1.330	1.364		2.6	
Acetone	0.202	0.189		6.4	
Carbon Disulfide	3.312	3.682		11.2	
1,1-Dichloroethene	1.217	1.338	0.100	9.9	25.0
1,1-Dichloroethane	2.156	2.233	0.200	3.6	25.0
1,2-Dichloroethene (total)	1.341	1.459		8.8	
Chloroform	2.641	2.742	0.200	3.8	25.0
1,2-Dichloroethane	1.392	1.376	0.100	1.1	25.0
2-Butanone	0.371	0.360		3.0	
1,1,1-Trichloroethane	0.540	0.533	0.100	1.3	25.0
Carbon Tetrachloride	0.570	0.496	0.100	13.0	25.0
Bromodichloromethane	0.628	0.633	0.200	0.8	25.0
1,2-Dichloropropane	0.331	0.330		0.3	
cis-1,3-Dichloropropene	0.460	0.494	0.200	7.4	25.0
Trichloroethene	0.420	0.446	0.300	6.2	25.0
Dibromochloromethane	0.627	0.618	0.100	1.4	25.0
1,1,2-Trichloroethane	0.319	0.327	0.100	2.5	25.0
Benzene	0.783	0.828	0.500	5.7	25.0
trans-1,3-Dichloropropene	0.381	0.390	0.100	2.4	25.0
Bromoform	0.462	0.460	0.100	0.4	25.0
4-Methyl-2-Pentanone	0.257	0.236		8.2	
2-Hexanone	0.175	0.202		15.4	
Tetrachloroethene	0.472	0.486	0.200	3.0	25.0
1,1,2,2-Tetrachloroethane	0.579	0.579	0.500	0.0	25.0
Toluene	1.163	1.217	0.400	4.6	25.0
Chlorobenzene	0.957	0.999	0.500	4.4	25.0
Ethylbenzene	0.422	0.447	0.100	5.9	25.0
Styrene	0.850	0.893	0.300	5.0	25.0
Xylene (total)	0.513	0.531	0.300	3.5	25.0
Toluene-d8	1.237	1.102		10.9	
Bromofluorobenzene	0.748	0.681	0.200	9.0	25.0
1,2-Dichloroethane-d4	1.426	1.257		11.8	

VBLK05
CT005

All other compounds must meet a minimum RRF of 0.010

FORM VII VOA 3/90

ORIGINAL

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date(s):11/30/93 11/30/93

Calibration Times: 1706 2126

LAB FILE ID: RRF20 =B4908 RRF50 =B4907
RRF80 =B4909 RRF120=B4910 RRF160=B4911

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD	
Phenol	*	1.505	1.560	1.379	1.297	1.360	1.420	7.6	*
bis(2-Chloroethyl)ether	*	1.312	1.295	1.157	1.112	1.204	1.216	7.1	*
2-Chlorophenol	*	1.196	1.223	1.084	1.014	1.101	1.124	7.6	*
1,3-Dichlorobenzene	*	1.397	1.350	1.202	1.148	1.240	1.267	8.2	
1,4-Dichlorobenzene	*	1.492	1.403	1.262	1.166	1.237	1.312	10.1	
1,2-Dichlorobenzene	*	1.357	1.322	1.171	1.123	1.158	1.226	8.6	*
2-Methylphenol	*	1.107	1.119	0.946	0.931	0.948	1.010	9.3	*
2,2'-oxybis(1-Chloropropane)		3.006	2.982	2.742	2.587	2.769	2.817	6.2	
4-Methylphenol	*	1.176	1.242	1.134	1.100	1.133	1.157	4.7	*
N-Nitroso-di-n-propylamine	*	1.151	1.152	1.051	1.054	1.143	1.110	4.8	*
Hexachloroethane	*	0.565	0.566	0.471	0.475	0.510	0.517	9.0	*
Nitrobenzene	*	0.330	0.348	0.304	0.332	0.338	0.330	5.0	*
Isophorone	*	0.732	0.710	0.648	0.680	0.700	0.694	4.6	*
2-Nitrophenol	*	0.135	0.162	0.156	0.164	0.175	0.158	9.4	*
2,4-Dimethylphenol	*	0.311	0.329	0.284	0.292	0.306	0.304	5.7	*
bis(2-Chloroethoxy)methane	*	0.457	0.435	0.401	0.376	0.416	0.417	7.4	*
2,4-Dichlorophenol	*	0.301	0.317	0.272	0.284	0.296	0.294	5.8	*
1,2,4-Trichlorobenzene	*	0.376	0.371	0.316	0.304	0.316	0.337	10.1	*
Naphthalene	*	0.997	0.922	0.809	0.785	0.801	0.863	10.7	*
4-Chloroaniline		0.404	0.411	0.361	0.359	0.366	0.380	6.6	
Hexachlorobutadiene		0.278	0.274	0.230	0.227	0.220	0.246	11.3	
4-Chloro-3-methylphenol	*	0.343	0.342	0.321	0.316	0.326	0.330	3.7	*
2-Methylnaphthalene	*	0.743	0.662	0.599	0.591	0.563	0.632	11.4	
Hexachlorocyclopentadiene		0.262	0.306	0.240	0.257	0.270	0.267	9.1	
2,4,6-Trichlorophenol	*	0.448	0.418	0.375	0.390	0.398	0.406	7.0	*
2,4,5-Trichlorophenol	*	0.000	0.487	0.424	0.428	0.399	0.434	8.6	*
2-Chloronaphthalene	*	1.150	1.083	0.896	0.970	0.914	1.003	11.0	*
2-Nitroaniline		0.000	0.375	0.350	0.384	0.368	0.369	3.9	
Dimethylphthalate		1.530	1.419	1.283	1.286	1.278	1.359	8.3	
Acenaphthylene	*	1.785	1.649	1.461	1.427	1.370	1.538	11.2	*
2,6-Dinitrotoluene	*	0.255	0.308	0.285	0.307	0.307	0.292	7.9	*
3-Nitroaniline		0.000	0.336	0.295	0.294	0.283	0.302	7.7	
Acenaphthene	*	1.204	1.133	0.960	0.956	0.890	1.029	12.9	*
2,4-Dinitrophenol		0.000	0.031	0.052	0.088	0.112	0.071	51.0	
4-Nitrophenol		0.000	0.136	0.131	0.154	0.161	0.146	9.8	
Dibenzofuran	*	1.774	1.765	1.465	1.473	1.473	1.590	10.3	*
2,4-Dinitrotoluene	*	0.377	0.457	0.415	0.441	0.448	0.428	7.6	*

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date(s):11/30/93 11/30/93

Calibration Times: 1706 2126

LAB FILE ID: RRF20 =B4908 RRF50 =B4907
RRF80 =B4909 RRF120=B4910 RRF160=B4911

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD	
Diethylphthalate		1.624	1.629	1.442	1.492	1.425	1.522	6.4	
4-Chlorophenyl-phenylether	*	0.880	0.874	0.694	0.698	0.704	0.770	12.7	*
Fluorene	*	1.342	1.337	1.140	1.157	1.128	1.221	8.9	*
4-Nitroaniline		0.000	0.338	0.306	0.357	0.359	0.340	7.2	
4,6-Dinitro-2-methylphenol		0.000	0.071	0.086	0.102	0.114	0.093	20.2	
N-Nitrosodiphenylamine (1)		0.537	0.492	0.415	0.408	0.398	0.450	13.6	
4-Bromophenyl-phenylether	*	0.322	0.278	0.236	0.218	0.217	0.254	17.8	*
Hexachlorobenzene	*	0.390	0.368	0.305	0.305	0.302	0.334	12.5	*
Pentachlorophenol	*	0.000	0.196	0.189	0.218	0.213	0.204	6.7	*
Phenanthrene	*	1.144	1.003	0.877	0.891	0.856	0.954	12.6	*
Anthracene	*	1.154	1.028	0.834	0.824	0.856	0.939	15.6	*
Carbazole		1.046	0.932	0.829	0.824	0.822	0.891	11.0	
Di-n-butylphthalate		1.507	1.472	1.258	1.219	1.197	1.331	11.1	
Fluoranthene	*	1.486	1.329	1.174	1.112	1.129	1.246	12.8	*
Pyrene	*	1.022	0.929	0.840	0.887	0.920	0.920	7.3	*
Butylbenzylphthalate		0.445	0.437	0.424	0.430	0.443	0.436	2.0	
3,3'-Dichlorobenzidine		0.372	0.402	0.345	0.344	0.344	0.361	7.1	
Benzo(a)anthracene	*	0.956	0.971	0.889	0.923	0.897	0.927	3.9	*
Chrysene	*	0.962	0.897	0.840	0.782	0.780	0.852	9.2	*
bis(2-Ethylhexyl)phthalate		0.635	0.663	0.594	0.605	0.614	0.622	4.4	
Di-n-octylphthalate		0.950	1.037	1.022	1.090	1.307	1.081	12.6	
Benzo(b)fluoranthene	*	1.029	1.048	0.967	1.031	1.161	1.047	6.7	*
Benzo(k)fluoranthene	*	1.031	0.989	0.979	0.990	1.062	1.010	3.5	*
Benzo(a)pyrene	*	0.958	0.946	0.874	0.923	0.926	0.925	3.5	*
Indeno(1,2,3-cd)pyrene	*	0.795	0.796	0.621	0.590	0.569	0.674	16.6	*
Dibenz(a,h)anthracene	*	0.759	0.717	0.601	0.578	0.566	0.644	13.6	*
Benzo(g,h,i)perylene	*	0.877	0.792	0.596	0.566	0.541	0.674	22.3	*
Nitrobenzene-d5	*	0.348	0.366	0.342	0.360	0.379	0.359	4.1	*
2-Fluorobiphenyl	*	1.551	1.453	1.224	1.214	1.148	1.318	13.2	*
Terphenyl-d14	*	0.982	0.868	0.858	0.847	0.877	0.886	6.2	*
Phenol-d5	*	1.524	1.555	1.422	1.390	1.474	1.473	4.6	*
2-Fluorophenol	*	1.040	1.023	0.959	0.912	0.994	0.986	5.2	*
2,4,6-Tribromophenol		0.486	0.530	0.464	0.471	0.487	0.488	5.2	
2-Chlorophenol-d4	*	1.340	1.318	1.186	1.149	1.170	1.233	7.2	*
1,2-Dichlorobenzene-d4	*	1.041	1.007	0.947	0.871	0.909	0.955	7.3	*

(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.

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/01/93 Time:0747

Lab File ID:B4918 Init. Calib. Date(s):11/30/93 11/30/93

Init. Calib. Times: 1706 2126

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.420	1.726	0.800	21.5	25.0
bis(2-Chloroethyl)ether	1.216	1.485	0.700	22.1	25.0
2-Chlorophenol	1.124	1.302	0.800	15.8	25.0
1,3-Dichlorobenzene	1.267	1.393	0.600	9.9	25.0
1,4-Dichlorobenzene	1.312	1.419	0.500	8.2	25.0
1,2-Dichlorobenzene	1.226	1.401	0.400	14.3	25.0
2-Methylphenol	1.010	1.226	0.700	21.4	25.0
2,2'-oxybis(1-Chloropropane)	2.817	3.046		8.1	
4-Methylphenol	1.157	1.400	0.600	21.0	25.0
N-Nitroso-di-n-propylamine	1.110	1.293	0.500	16.5	25.0
Hexachloroethane	0.517	0.590	0.300	14.1	25.0
Nitrobenzene	0.330	0.398	0.200	20.6	25.0
Isophorone	0.694	0.779	0.400	12.2	25.0
2-Nitrophenol	0.158	0.178	0.100	12.6	25.0
2,4-Dimethylphenol	0.304	0.347	0.200	14.1	25.0
bis(2-Chloroethoxy)methane	0.417	0.489	0.300	17.3	25.0
2,4-Dichlorophenol	0.294	0.301	0.200	2.4	25.0
1,2,4-Trichlorobenzene	0.337	0.329	0.200	2.4	25.0
Naphthalene	0.863	0.924	0.700	7.1	25.0
4-Chloroaniline	0.380	0.438		15.3	
Hexachlorobutadiene	0.246	0.205		16.7	
4-Chloro-3-methylphenol	0.330	0.365	0.200	10.6	25.0
2-Methylnaphthalene	0.632	0.654	0.400	3.5	25.0
Hexachlorocyclopentadiene	0.267	0.177		33.7	
2,4,6-Trichlorophenol	0.406	0.403	0.200	0.7	25.0
2,4,5-Trichlorophenol	0.434	0.438	0.200	0.9	25.0
2-Chloronaphthalene	1.003	1.100	0.800	9.7	25.0
2-Nitroaniline	0.369	0.460		24.7	
Dimethylphthalate	1.359	1.499		10.3	
Acenaphthylene	1.538	1.749	1.300	13.7	25.0
2,6-Dinitrotoluene	0.292	0.336	0.200	15.1	25.0
3-Nitroaniline	0.302	0.363		20.2	
Acenaphthene	1.029	1.129	0.800	9.7	25.0
2,4-Dinitrophenol	0.071	0.025		64.8	
4-Nitrophenol	0.146	0.161		10.3	
Dibenzofuran	1.590	1.747	0.800	9.9	25.0
2,4-Dinitrotoluene	0.428	0.472	0.200	10.3	25.0

SBLIC01

All other compounds must meet a minimum RRF of 0.010

0013

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/01/93 Time:0747

Lab File ID:B4918 Init. Calib. Date(s):11/30/93 11/30/93

Init. Calib. Times: 1706 2126

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.522	1.589		4.4	
4-Chlorophenyl-phenylether	0.770	0.690	0.400	10.4	25.0
Fluorene	1.221	1.315	0.900	7.7	25.0
4-Nitroaniline	0.340	0.387		13.8	
4,6-Dinitro-2-methylphenol	0.093	0.063		32.2	
N-Nitrosodiphenylamine (1)	0.450	0.525		16.7	
4-Bromophenyl-phenylether	0.254	0.236	0.100	7.1	25.0
Hexachlorobenzene	0.334	0.289	0.100	13.5	25.0
Pentachlorophenol	0.204	0.145	0.050	28.9	25.0
Phenanthrene	0.954	1.089	0.700	14.2	25.0
Anthracene	0.939	1.047	0.700	11.5	25.0
Carbazole	0.891	1.011		13.5	
Di-n-butylphthalate	1.331	1.593		19.7	
Fluoranthene	1.246	1.218	0.600	2.2	25.0
Pyrene	0.920	1.159	0.600	26.0	25.0
Butylbenzylphthalate	0.436	0.634		45.4	
3,3'-Dichlorobenzidine	0.361	0.430		19.1	
Benzo(a)anthracene	0.927	1.055	0.800	13.8	25.0
Chrysene	0.852	0.981	0.700	15.1	25.0
bis(2-Ethylhexyl)phthalate	0.622	0.974		56.6	
Di-n-octylphthalate	1.081	1.920		77.6	
Benzo(b)fluoranthene	1.047	1.122	0.700	7.2	25.0
Benzo(k)fluoranthene	1.010	1.072	0.700	6.1	25.0
Benzo(a)pyrene	0.925	0.990	0.700	7.0	25.0
Indeno(1,2,3-cd)pyrene	0.674	0.577	0.500	14.4	25.0
Dibenz(a,h)anthracene	0.644	0.550	0.400	14.6	25.0
Benzo(g,h,i)perylene	0.674	0.504	0.500	25.2	25.0
Nitrobenzene-d5	0.359	0.430	0.200	19.8	25.0
2-Fluorobiphenyl	1.318	1.374	0.700	4.2	25.0
Terphenyl-d14	0.886	0.979	0.500	10.5	25.0
Phenol-d5	1.473	1.812	0.800	23.0	25.0
2-Fluorophenol	0.986	1.212	0.600	22.9	25.0
2,4,6-Tribromophenol	0.488	0.384		21.3	
2-Chlorophenol-d4	1.233	1.443	0.800	17.0	25.0
1,2-Dichlorobenzene-d4	0.955	1.011	0.400	5.9	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

ORIGINAL (Red)

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date(s):12/03/93 12/03/93

Calibration Times: 1212 1632

LAB FILE ID: RRF20 =B4951 RRF50 =B4950
RRF80 =B4947 RRF120=B4948 RRF160=B4949

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Phenol	*	1.604	1.609	1.486	1.620	1.489	1.562	4.3	*
bis(2-Chloroethyl)ether	*	1.468	1.388	1.159	1.263	1.118	1.279	11.6	*
2-Chlorophenol	*	1.315	1.272	1.065	1.147	1.014	1.163	11.1	*
1,3-Dichlorobenzene	*	1.380	1.338	1.194	1.290	1.170	1.274	7.1	
1,4-Dichlorobenzene	*	1.553	1.459	1.257	1.283	1.215	1.353	10.7	*
1,2-Dichlorobenzene	*	1.300	1.348	1.140	1.274	1.175	1.247	7.0	*
2-Methylphenol	*	1.243	1.125	1.026	1.126	1.035	1.111	7.9	*
2,2'-oxybis(1-Chloropropane)		2.436	2.435	2.256	2.592	2.365	2.417	5.1	
4-Methylphenol	*	1.295	1.281	1.106	1.182	1.039	1.181	9.4	*
N-Nitroso-di-n-propylamine	*	1.159	1.134	1.083	1.211	1.057	1.129	5.4	*
Hexachloroethane	*	0.551	0.569	0.485	0.528	0.466	0.520	8.4	*
Nitrobenzene	*	0.374	0.345	0.331	0.346	0.338	0.347	4.7	*
Isophorone	*	0.759	0.760	0.688	0.704	0.724	0.727	4.4	*
2-Nitrophenol	*	0.148	0.160	0.160	0.166	0.170	0.161	5.2	*
2,4-Dimethylphenol	*	0.322	0.316	0.272	0.278	0.297	0.297	7.5	*
bis(2-Chloroethoxy)methane	*	0.515	0.474	0.410	0.410	0.429	0.448	10.2	*
2,4-Dichlorophenol	*	0.286	0.275	0.259	0.262	0.275	0.271	4.0	*
1,2,4-Trichlorobenzene	*	0.337	0.287	0.278	0.279	0.283	0.293	8.5	*
Naphthalene	*	0.985	0.969	0.834	0.830	0.800	0.884	9.8	*
4-Chloroaniline		0.428	0.409	0.340	0.352	0.362	0.378	10.1	
Hexachlorobutadiene		0.186	0.186	0.170	0.169	0.177	0.178	4.6	
4-Chloro-3-methylphenol	*	0.328	0.332	0.312	0.310	0.312	0.319	3.2	
2-Methylnaphthalene	*	0.687	0.662	0.572	0.554	0.566	0.608	10.1	
Hexachlorocyclopentadiene		0.157	0.146	0.204	0.221	0.257	0.197	23.3	
2,4,6-Trichlorophenol	*	0.379	0.397	0.360	0.372	0.353	0.372	4.6	*
2,4,5-Trichlorophenol	*	0.410	0.393	0.420	0.396	0.407	0.405	2.7	*
2-Chloronaphthalene	*	1.105	1.107	1.029	0.993	0.914	1.030	7.9	*
2-Nitroaniline		0.362	0.349	0.382	0.395	0.412	0.380	6.6	
Dimethylphthalate		1.559	1.475	1.445	1.383	1.365	1.445	5.4	
Acenaphthylene	*	1.785	1.681	1.631	1.567	1.545	1.642	5.9	*
2,6-Dinitrotoluene	*	0.278	0.279	0.290	0.296	0.308	0.290	4.3	*
3-Nitroaniline		0.324	0.329	0.322	0.322	0.339	0.327	2.2	
Acenaphthene	*	1.203	1.107	1.068	1.040	0.998	1.083	7.2	*
2,4-Dinitrophenol		0.000	0.015	0.049	0.073	0.108	0.061	64.3	
4-Nitrophenol		0.091	0.117	0.134	0.152	0.167	0.132	22.5	
Dibenzofuran	*	1.753	1.691	1.624	1.490	1.496	1.611	7.2	*
2,4-Dinitrotoluene	*	0.409	0.446	0.462	0.458	0.485	0.452	6.2	*

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

001294

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date(s):12/03/93 12/03/93

Calibration Times: 1212 1632

LAB FILE ID: RRF20 =B4951 RRF50 =B4950
RRF80 =B4947 RRF120=B4948 RRF160=B4949

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Diethylphthalate		1.608	1.564	1.374	1.330	1.337	1.443	9.2	
4-Chlorophenyl-phenylether	*	0.755	0.694	0.640	0.633	0.661	0.677	7.4	*
Fluorene	*	1.328	1.263	1.120	1.058	1.066	1.167	10.4	*
4-Nitroaniline		0.319	0.338	0.310	0.343	0.376	0.337	7.6	
4,6-Dinitro-2-methylphenol		0.018	0.036	0.070	0.099	0.124	0.069	63.2	
N-Nitrosodiphenylamine (1)		0.550	0.535	0.448	0.480	0.491	0.501	8.3	
4-Bromophenyl-phenylether	*	0.255	0.249	0.224	0.213	0.226	0.233	7.6	*
Hexachlorobenzene	*	0.295	0.277	0.249	0.269	0.261	0.270	6.4	*
Pentachlorophenol	*	0.064	0.118	0.130	0.153	0.166	0.126	31.4	*
Phenanthrene	*	1.112	1.132	0.961	0.990	0.948	1.029	8.4	*
Anthracene	*	1.070	1.038	0.924	0.951	0.940	0.985	6.6	*
Carbazole		1.080	1.020	0.888	0.912	0.940	0.968	8.2	
Di-n-butylphthalate		1.652	1.592	1.377	1.375	1.489	1.497	8.3	
Fluoranthene	*	1.264	1.293	1.047	1.073	1.067	1.149	10.4	*
Pyrene	*	1.104	1.110	1.144	1.264	1.416	1.208	11.0	*
Butylbenzylphthalate		0.578	0.614	0.584	0.645	0.714	0.627	8.8	
3,3'-Dichlorobenzidine		0.388	0.389	0.306	0.327	0.339	0.350	10.6	
Benzo(a)anthracene	*	0.997	0.979	0.948	0.894	1.002	0.964	4.6	*
Chrysene	*	0.957	0.944	0.864	0.849	0.890	0.901	5.3	*
bis(2-Ethylhexyl)phthalate		0.772	0.949	0.839	0.862	0.976	0.880	9.4	
Di-n-octylphthalate		1.358	1.835	1.987	2.188	2.662	2.006	23.8	
Benzo(b)fluoranthene	*	1.143	1.197	1.157	1.237	1.320	1.211	5.9	*
Benzo(k)fluoranthene	*	1.080	1.184	1.180	1.254	1.330	1.206	7.7	*
Benzo(a)pyrene	*	0.953	0.965	0.910	0.974	1.024	0.965	4.2	*
Indeno(1,2,3-cd)pyrene	*	0.617	0.637	0.521	0.492	0.610	0.575	11.2	*
Dibenz(a,h)anthracene	*	0.579	0.600	0.548	0.497	0.613	0.567	8.2	*
Benzo(g,h,i)perylene	*	0.628	0.577	0.473	0.494	0.600	0.554	12.2	*
Nitrobenzene-d5	*	0.394	0.384	0.378	0.384	0.394	0.387	1.8	*
2-Fluorobiphenyl	*	1.443	1.422	1.304	1.252	1.196	1.323	8.1	*
Terphenyl-d14	*	1.028	0.935	0.968	0.949	1.204	1.017	10.9	*
Phenol-d5	*	1.709	1.607	1.520	1.665	1.529	1.606	5.2	*
2-Fluorophenol	*	1.156	1.155	1.040	1.137	1.103	1.118	4.4	*
2,4,6-Tribromophenol		0.271	0.291	0.285	0.288	0.323	0.292	6.6	
2-Chlorophenol-d4	*	1.376	1.356	1.201	1.363	1.220	1.303	6.5	*
1,2-Dichlorobenzene-d4	*	1.100	1.013	0.906	0.960	0.886	0.973	8.9	*

(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.

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/08/93 Time:1020

Lab File ID:B5019 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.597	0.800	2.2	25.0
bis(2-Chloroethyl)ether	1.279	1.364	0.700	6.6	25.0
2-Chlorophenol	1.163	1.160	0.800	0.2	25.0
1,3-Dichlorobenzene	1.274	1.347	0.600	5.7	25.0
1,4-Dichlorobenzene	1.353	1.440	0.500	6.4	25.0
1,2-Dichlorobenzene	1.247	1.303	0.400	4.5	25.0
2-Methylphenol	1.111	1.146	0.700	3.2	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.634		9.0	
4-Methylphenol	1.181	1.241	0.600	5.1	25.0
N-Nitroso-di-n-propylamine	1.129	1.208	0.500	7.0	25.0
Hexachloroethane	0.520	0.563	0.300	8.3	25.0
Nitrobenzene	0.347	0.377	0.200	8.6	25.0
Isophorone	0.727	0.794	0.400	9.2	25.0
2-Nitrophenol	0.161	0.182	0.100	13.0	25.0
2,4-Dimethylphenol	0.297	0.319	0.200	7.4	25.0
bis(2-Chloroethoxy)methane	0.448	0.482	0.300	7.6	25.0
2,4-Dichlorophenol	0.271	0.300	0.200	10.7	25.0
1,2,4-Trichlorobenzene	0.293	0.337	0.200	15.0	25.0
Naphthalene	0.884	0.966	0.700	9.3	25.0
4-Chloroaniline	0.378	0.422		11.6	
Hexachlorobutadiene	0.178	0.184		3.4	
4-Chloro-3-methylphenol	0.319	0.346	0.200	8.5	25.0
2-Methylnaphthalene	0.608	0.654	0.400	7.6	25.0
Hexachlorocyclopentadiene	0.197	0.180		8.6	
2,4,6-Trichlorophenol	0.372	0.419	0.200	12.6	25.0
2,4,5-Trichlorophenol	0.405	0.465	0.200	14.8	25.0
2-Chloronaphthalene	1.030	1.200	0.800	16.5	25.0
2-Nitroaniline	0.380	0.432		13.7	
Dimethylphthalate	1.445	1.613		11.6	
Acenaphthylene	1.642	1.793	1.300	9.2	25.0
2,6-Dinitrotoluene	0.290	0.341	0.200	17.6	25.0
3-Nitroaniline	0.327	0.332		1.5	
Acenaphthene	1.083	1.186	0.800	9.5	25.0
2,4-Dinitrophenol	0.077	0.028		63.6	
4-Nitrophenol	0.132	0.128		3.0	
Dibenzofuran	1.611	1.786	0.800	10.9	25.0
2,4-Dinitrotoluene	0.452	0.475	0.200	5.1	25.0

CJW 07
CJW 08
CJW 09
SBLK05
CJW 10
CJW 11
CJW 12
CJW 13
CJW 14

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/08/93 Time:1020

Lab File ID:B5019 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.642		13.8	
4-Chlorophenyl-phenylether	0.677	0.763	0.400	12.7	25.0
Fluorene	1.167	1.285	0.900	10.1	25.0
4-Nitroaniline	0.337	0.366		8.6	
4,6-Dinitro-2-methylphenol	0.069	0.059		14.5	
N-Nitrosodiphenylamine (1)	0.501	0.578		15.4	
4-Bromophenyl-phenylether	0.233	0.264	0.100	13.3	25.0
Hexachlorobenzene	0.270	0.300	0.100	11.1	25.0
Pentachlorophenol	0.126	0.130	0.050	3.2	25.0
Phenanthrene	1.029	1.114	0.700	8.3	25.0
Anthracene	0.985	1.091	0.700	10.8	25.0
Carbazole	0.968	1.025		5.9	
Di-n-butylphthalate	1.497	1.756		17.3	
Fluoranthene	1.149	1.280	0.600	11.4	25.0
Pyrene	1.208	1.123	0.600	7.0	25.0
Butylbenzylphthalate	0.627	0.612		2.4	
3,3'-Dichlorobenzidine	0.350	0.317		9.4	
Benzo(a)anthracene	0.964	1.017	0.800	5.5	25.0
Chrysene	0.901	0.959	0.700	6.4	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.909		3.3	
Di-n-octylphthalate	2.006	1.889		5.8	
Benzo(b)fluoranthene	1.211	1.174	0.700	3.0	25.0
Benzo(k)fluoranthene	1.206	1.144	0.700	5.1	25.0
Benzo(a)pyrene	0.965	0.968	0.700	0.3	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.568	0.500	1.2	25.0
Dibenz(a,h)anthracene	0.567	0.566	0.400	0.2	25.0
Benzo(g,h,i)perylene	0.554	0.539	0.500	2.7	25.0
Nitrobenzene-d5	0.387	0.411	0.200	6.2	25.0
2-Fluorobiphenyl	1.323	1.380	0.700	4.3	25.0
Terphenyl-d14	1.017	0.964	0.500	5.2	25.0
Phenol-d5	1.606	1.580	0.800	1.6	25.0
2-Fluorophenol	1.118	1.080	0.600	3.4	25.0
2,4,6-Tribromophenol	0.292	0.341		16.8	
2-Chlorophenol-d4	1.303	1.290	0.800	1.0	25.0
1,2-Dichlorobenzene-d4	0.973	1.075	0.400	10.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

ORIGINAL
(Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/06/93 Time:2350

Lab File ID:B4991 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.679	0.800	7.5	25.0
bis(2-Chloroethyl)ether	1.279	1.425	0.700	11.4	25.0
2-Chlorophenol	1.163	1.260	0.800	8.3	25.0
1,3-Dichlorobenzene	1.274	1.452	0.600	14.0	25.0
1,4-Dichlorobenzene	1.353	1.575	0.500	16.4	25.0
1,2-Dichlorobenzene	1.247	1.253	0.400	0.5	25.0
2-Methylphenol	1.111	1.147	0.700	3.2	25.0
2,2'-oxybis(1-Chloropropane)	2.417	3.039		25.7	
4-Methylphenol	1.181	1.281	0.600	8.5	25.0
N-Nitroso-di-n-propylamine	1.129	1.135	0.500	0.5	25.0
Hexachloroethane	0.520	0.536	0.300	3.1	25.0
Nitrobenzene	0.347	0.376	0.200	8.4	25.0
Isophorone	0.727	0.728	0.400	0.1	25.0
2-Nitrophenol	0.161	0.143	0.100	11.2	25.0
2,4-Dimethylphenol	0.297	0.292	0.200	1.7	25.0
bis(2-Chloroethoxy)methane	0.448	0.448	0.300	0.0	25.0
2,4-Dichlorophenol	0.271	0.295	0.200	8.8	25.0
1,2,4-Trichlorobenzene	0.293	0.311	0.200	6.1	25.0
Naphthalene	0.884	0.889	0.700	0.6	25.0
4-Chloroaniline	0.378	0.371		1.8	
Hexachlorobutadiene	0.178	0.188		5.6	
4-Chloro-3-methylphenol	0.319	0.334	0.200	4.7	25.0
2-Methylnaphthalene	0.608	0.653	0.400	7.4	25.0
Hexachlorocyclopentadiene	0.197	0.275		39.6	
2,4,6-Trichlorophenol	0.372	0.385	0.200	3.5	25.0
2,4,5-Trichlorophenol	0.405	0.410	0.200	1.2	25.0
2-Chloronaphthalene	1.030	1.111	0.800	7.9	25.0
2-Nitroaniline	0.380	0.356		6.3	
Dimethylphthalate	1.445	1.329		8.0	
Acenaphthylene	1.642	1.708	1.300	4.0	25.0
2,6-Dinitrotoluene	0.290	0.224	0.200	22.8	25.0
3-Nitroaniline	0.327	0.259		20.8	
Acenaphthene	1.083	1.097	0.800	1.3	25.0
2,4-Dinitrophenol	0.077	0.024		68.8	
4-Nitrophenol	0.132	0.096		27.3	
Dibenzofuran	1.611	1.653	0.800	2.6	25.0
2,4-Dinitrotoluene	0.452	0.390	0.200	13.7	25.0

CICW42NS
CJW01
CJW02
CJW03

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/06/93 Time:2350

Lab File ID:B4991 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.617		12.0	
4-Chlorophenyl-phenylether	0.677	0.729	0.400	7.7	25.0
Fluorene	1.167	1.249	0.900	7.0	25.0
4-Nitroaniline	0.337	0.239		29.1	
4,6-Dinitro-2-methylphenol	0.069	0.041		40.6	
N-Nitrosodiphenylamine (1)	0.501	0.506		1.0	
4-Bromophenyl-phenylether	0.233	0.272	0.100	16.7	25.0
Hexachlorobenzene	0.270	0.324	0.100	20.0	25.0
Pentachlorophenol	0.126	0.106	0.050	15.9	25.0
Phenanthrene	1.029	1.059	0.700	2.9	25.0
Anthracene	0.985	1.016	0.700	3.1	25.0
Carbazole	0.968	0.918		5.2	
Di-n-butylphthalate	1.497	3.369		125.0	
Fluoranthene	1.149	1.097	0.600	4.5	25.0
Pyrene	1.208	1.568	0.600	29.8	25.0
Butylbenzylphthalate	0.627	0.643		2.6	
3,3'-Dichlorobenzidine	0.350	0.292		16.6	
Benzo(a)anthracene	0.964	1.000	0.800	3.7	25.0
Chrysene	0.901	0.970	0.700	7.6	25.0
bis(2-Ethylhexyl)phthalate	0.880	1.258		43.0	
Di-n-octylphthalate	2.006	1.765		12.0	
Benzo(b)fluoranthene	1.211	1.274	0.700	5.2	25.0
Benzo(k)fluoranthene	1.206	1.231	0.700	2.1	25.0
Benzo(a)pyrene	0.965	1.062	0.700	10.0	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.683	0.500	18.8	25.0
Dibenz(a,h)anthracene	0.567	0.600	0.400	5.8	25.0
Benzo(g,h,i)perylene	0.554	0.683	0.500	23.3	25.0
Nitrobenzene-d5	0.387	0.398	0.200	2.8	25.0
2-Fluorobiphenyl	1.323	1.364	0.700	3.1	25.0
Terphenyl-d14	1.017	1.214	0.500	19.4	25.0
Phenol-d5	1.606	1.716	0.800	6.8	25.0
2-Fluorophenol	1.118	1.119	0.600	0.1	25.0
2,4,6-Tribromophenol	0.292	0.277		5.1	
2-Chlorophenol-d4	1.303	1.406	0.800	7.9	25.0
1,2-Dichlorobenzene-d4	0.973	1.066	0.400	9.6	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

000196

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: ABB-ES Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Instrument ID: MS2 Calibration Date: 12/06/93 Time: 0745

Lab File ID: B4978 Init. Calib. Date(s): 12/03/93 12/03/93

Init. Calib. Times: 1212 1632

SBLK01
SBLK02
SBLK04

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.818	0.800	16.4	25.0
bis(2-Chloroethyl)ether	1.279	1.517	0.700	18.6	25.0
2-Chlorophenol	1.163	1.315	0.800	13.1	25.0
1,3-Dichlorobenzene	1.274	1.447	0.600	13.6	25.0
1,4-Dichlorobenzene	1.353	1.590	0.500	17.5	25.0
1,2-Dichlorobenzene	1.247	1.418	0.400	13.7	25.0
2-Methylphenol	1.111	1.274	0.700	14.7	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.689		11.2	
4-Methylphenol	1.181	1.433	0.600	21.3	25.0
N-Nitroso-di-n-propylamine	1.129	1.227	0.500	8.7	25.0
Hexachloroethane	0.520	0.626	0.300	20.4	25.0
Nitrobenzene	0.347	0.352	0.200	1.4	25.0
Isophorone	0.727	0.763	0.400	5.0	25.0
2-Nitrophenol	0.161	0.156	0.100	3.1	25.0
2,4-Dimethylphenol	0.297	0.317	0.200	6.7	25.0
bis(2-Chloroethoxy)methane	0.448	0.464	0.300	3.6	25.0
2,4-Dichlorophenol	0.271	0.276	0.200	1.8	25.0
1,2,4-Trichlorobenzene	0.293	0.312	0.200	6.5	25.0
Naphthalene	0.884	0.953	0.700	7.8	25.0
4-Chloroaniline	0.378	0.400		5.8	
Hexachlorobutadiene	0.178	0.177		0.6	
4-Chloro-3-methylphenol	0.319	0.337	0.200	5.6	25.0
2-Methylnaphthalene	0.608	0.651	0.400	7.1	25.0
Hexachlorocyclopentadiene	0.197	0.108		45.2	
2,4,6-Trichlorophenol	0.372	0.368	0.200	1.1	25.0
2,4,5-Trichlorophenol	0.405	0.369	0.200	8.9	25.0
2-Chloronaphthalene	1.030	1.020	0.800	1.0	25.0
2-Nitroaniline	0.380	0.376		1.0	
Dimethylphthalate	1.445	1.486		2.8	
Acenaphthylene	1.642	1.692	1.300	3.0	25.0
2,6-Dinitrotoluene	0.290	0.290	0.200	0.0	25.0
3-Nitroaniline	0.327	0.309		5.5	
Acenaphthene	1.083	1.104	0.800	1.9	25.0
2,4-Dinitrophenol	0.077	0.012		84.4	
4-Nitrophenol	0.132	0.102		22.7	
Dibenzofuran	1.611	1.639	0.800	1.7	25.0
2,4-Dinitrotoluene	0.452	0.451	0.200	0.2	25.0

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/06/93 Time:0745

Lab File ID:B4978 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

ORIGINAL (Red)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.483		2.8	
4-Chlorophenyl-phenylether	0.677	0.694	0.400	2.5	25.0
Fluorene	1.167	1.244	0.900	6.6	25.0
4-Nitroaniline	0.337	0.332		1.5	
4,6-Dinitro-2-methylphenol	0.069	0.035		49.3	
N-Nitrosodiphenylamine (1)	0.501	0.588		17.4	
4-Bromophenyl-phenylether	0.233	0.260	0.100	11.6	25.0
Hexachlorobenzene	0.270	0.328	0.100	21.5	25.0
Pentachlorophenol	0.126	0.118	0.050	6.3	25.0
Phenanthrene	1.029	1.200	0.700	16.6	25.0
Anthracene	0.985	1.109	0.700	12.6	25.0
Carbazole	0.968	1.129		16.6	
Di-n-butylphthalate	1.497	1.806		20.6	
Fluoranthene	1.149	1.375	0.600	19.7	25.0
Pyrene	1.208	1.201	0.600	0.6	25.0
Butylbenzylphthalate	0.627	0.701		11.8	
3,3'-Dichlorobenzidine	0.350	0.374		6.8	
Benzo(a)anthracene	0.964	1.069	0.800	10.9	25.0
Chrysene	0.901	0.999	0.700	10.9	25.0
bis(2-Ethylhexyl)phthalate	0.880	1.051		19.4	
Di-n-octylphthalate	2.006	1.963		2.1	
Benzo(b)fluoranthene	1.211	1.233	0.700	1.8	25.0
Benzo(k)fluoranthene	1.206	1.187	0.700	1.6	25.0
Benzo(a)pyrene	0.965	1.021	0.700	5.8	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.721	0.500	25.4	25.0
Dibenz(a,h)anthracene	0.567	0.700	0.400	23.4	25.0
Benzo(g,h,i)perylene	0.554	0.715	0.500	29.1	25.0
Nitrobenzene-d5	0.387	0.393	0.200	1.6	25.0
2-Fluorobiphenyl	1.323	1.337	0.700	1.0	25.0
Terphenyl-d14	1.017	1.072	0.500	5.4	25.0
Phenol-d5	1.606	1.849	0.800	15.1	25.0
2-Fluorophenol	1.118	1.300	0.600	16.3	25.0
2,4,6-Tribromophenol	0.292	0.272		6.8	
2-Chlorophenol-d4	1.303	1.452	0.800	11.4	25.0
1,2-Dichlorobenzene-d4	0.973	1.091	0.400	12.1	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/03/93 Time:1527

Lab File ID:B4950 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.609	0.800	3.0	25.0
bis(2-Chloroethyl)ether	1.279	1.388	0.700	8.5	25.0
2-Chlorophenol	1.163	1.272	0.800	9.4	25.0
1,3-Dichlorobenzene	1.274	1.338	0.600	5.0	25.0
1,4-Dichlorobenzene	1.353	1.459	0.500	7.8	25.0
1,2-Dichlorobenzene	1.247	1.348	0.400	8.1	25.0
2-Methylphenol	1.111	1.125	0.700	1.3	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.435		0.7	
4-Methylphenol	1.181	1.281	0.600	8.5	25.0
N-Nitroso-di-n-propylamine	1.129	1.134	0.500	0.4	25.0
Hexachloroethane	0.520	0.569	0.300	9.4	25.0
Nitrobenzene	0.347	0.345	0.200	0.6	25.0
Isophorone	0.727	0.760	0.400	4.5	25.0
2-Nitrophenol	0.161	0.160	0.100	0.6	25.0
2,4-Dimethylphenol	0.297	0.316	0.200	6.4	25.0
bis(2-Chloroethoxy)methane	0.448	0.474	0.300	5.8	25.0
2,4-Dichlorophenol	0.271	0.275	0.200	1.5	25.0
1,2,4-Trichlorobenzene	0.293	0.287	0.200	2.0	25.0
Naphthalene	0.884	0.969	0.700	9.6	25.0
4-Chloroaniline	0.378	0.409		8.2	
Hexachlorobutadiene	0.178	0.186		4.5	
4-Chloro-3-methylphenol	0.319	0.332	0.200	4.1	25.0
2-Methylnaphthalene	0.608	0.662	0.400	8.9	25.0
Hexachlorocyclopentadiene	0.197	0.146		25.9	
2,4,6-Trichlorophenol	0.372	0.397	0.200	6.7	25.0
2,4,5-Trichlorophenol	0.405	0.393	0.200	3.0	25.0
2-Chloronaphthalene	1.030	1.107	0.800	7.5	25.0
2-Nitroaniline	0.380	0.349		8.2	
Dimethylphthalate	1.445	1.475		2.1	
Acenaphthylene	1.642	1.681	1.300	2.4	25.0
2,6-Dinitrotoluene	0.290	0.279	0.200	3.8	25.0
3-Nitroaniline	0.327	0.329		0.6	
Acenaphthene	1.083	1.107	0.800	2.2	25.0
2,4-Dinitrophenol	0.061	0.015		75.4	
4-Nitrophenol	0.132	0.117		11.4	
Dibenzofuran	1.611	1.691	0.800	5.0	25.0
2,4-Dinitrotoluene	0.452	0.446	0.200	1.3	25.0

CTW19
CTW20

All other compounds must meet a minimum RRF of 0.010

C1328

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/03/93 Time:1527

Lab File ID:B4950 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.564		8.4	
4-Chlorophenyl-phenylether	0.677	0.694	0.400	2.5	25.0
Fluorene	1.167	1.263	0.900	8.2	25.0
4-Nitroaniline	0.337	0.338		0.3	
4,6-Dinitro-2-methylphenol	0.069	0.036		47.8	
N-Nitrosodiphenylamine (1)	0.501	0.535		6.8	
4-Bromophenyl-phenylether	0.233	0.249	0.100	6.9	25.0
Hexachlorobenzene	0.270	0.277	0.100	2.6	25.0
Pentachlorophenol	0.126	0.118	0.050	6.3	25.0
Phenanthrene	1.029	1.132	0.700	10.0	25.0
Anthracene	0.985	1.038	0.700	5.4	25.0
Carbazole	0.968	1.020		5.4	
Di-n-butylphthalate	1.497	1.592		6.3	
Fluoranthene	1.149	1.293	0.600	12.5	25.0
Pyrene	1.208	1.110	0.600	8.1	25.0
Butylbenzylphthalate	0.627	0.614		2.1	
3,3'-Dichlorobenzidine	0.350	0.389		11.1	
Benzo(a)anthracene	0.964	0.979	0.800	1.6	25.0
Chrysene	0.901	0.944	0.700	4.8	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.949		7.8	
Di-n-octylphthalate	2.006	1.835		8.5	
Benzo(b)fluoranthene	1.211	1.197	0.700	1.2	25.0
Benzo(k)fluoranthene	1.206	1.184	0.700	1.8	25.0
Benzo(a)pyrene	0.965	0.965	0.700	0.0	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.637	0.500	10.8	25.0
Dibenz(a,h)anthracene	0.567	0.600	0.400	5.8	25.0
Benzo(g,h,i)perylene	0.554	0.577	0.500	4.2	25.0
Nitrobenzene-d5	0.387	0.384	0.200	0.8	25.0
2-Fluorobiphenyl	1.323	1.422	0.700	7.5	25.0
Terphenyl-d14	1.017	0.935	0.500	8.1	25.0
Phenol-d5	1.606	1.607	0.800	0.1	25.0
2-Fluorophenol	1.118	1.155	0.600	3.3	25.0
2,4,6-Tribromophenol	0.292	0.291		0.3	
2-Chlorophenol-d4	1.303	1.356	0.800	4.1	25.0
1,2-Dichlorobenzene-d4	0.973	1.013	0.400	4.1	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

001320

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/04/93 Time:1314

Lab File ID:B4965 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Phenol	1.562	1.765	0.800	13.0	25.0	CJW26
bis(2-Chloroethyl)ether	1.279	1.502	0.700	17.4	25.0	CJW27
2-Chlorophenol	1.163	1.321	0.800	13.6	25.0	CJW28
1,3-Dichlorobenzene	1.274	1.451	0.600	13.9	25.0	CJW15
1,4-Dichlorobenzene	1.353	1.558	0.500	15.2	25.0	CJW16
1,2-Dichlorobenzene	1.247	1.410	0.400	13.1	25.0	CJW18
2-Methylphenol	1.111	1.242	0.700	11.8	25.0	CJW13
2,2'-oxybis(1-Chloropropane)	2.417	2.240		7.3		CJW18 MSD
4-Methylphenol	1.181	1.366	0.600	15.7	25.0	5BLK03
N-Nitroso-di-n-propylamine	1.129	1.224	0.500	8.4	25.0	CKW92MS
Hexachloroethane	0.520	0.601	0.300	15.6	25.0	
Nitrobenzene	0.347	0.376	0.200	8.4	25.0	
Isophorone	0.727	0.801	0.400	10.2	25.0	
2-Nitrophenol	0.161	0.177	0.100	9.9	25.0	
2,4-Dimethylphenol	0.297	0.340	0.200	14.5	25.0	
bis(2-Chloroethoxy)methane	0.448	0.504	0.300	12.5	25.0	
2,4-Dichlorophenol	0.271	0.301	0.200	11.1	25.0	
1,2,4-Trichlorobenzene	0.293	0.306	0.200	4.4	25.0	
Naphthalene	0.884	0.998	0.700	12.9	25.0	
4-Chloroaniline	0.378	0.418		10.6		
Hexachlorobutadiene	0.178	0.180		1.1		
4-Chloro-3-methylphenol	0.319	0.349	0.200	9.4	25.0	
2-Methylnaphthalene	0.608	0.642	0.400	5.6	25.0	
Hexachlorocyclopentadiene	0.197	0.205		4.1		
2,4,6-Trichlorophenol	0.372	0.388	0.200	4.3	25.0	
2,4,5-Trichlorophenol	0.405	0.436	0.200	7.6	25.0	
2-Chloronaphthalene	1.030	1.192	0.800	15.7	25.0	
2-Nitroaniline	0.380	0.412		8.4		
Dimethylphthalate	1.445	1.571		8.7		
Acenaphthylene	1.642	1.936	1.300	17.9	25.0	
2,6-Dinitrotoluene	0.290	0.337	0.200	16.2	25.0	
3-Nitroaniline	0.327	0.357		9.2		
Acenaphthene	1.083	1.215	0.800	12.2	25.0	
2,4-Dinitrophenol	0.077	0.031		59.7		
4-Nitrophenol	0.132	0.148		12.1		
Dibenzofuran	1.611	1.786	0.800	10.9	25.0	
2,4-Dinitrotoluene	0.452	0.493	0.200	9.1	25.0	

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/04/93 Time:1314

Lab File ID:B4965 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.605		11.2	
4-Chlorophenyl-phenylether	0.677	0.716	0.400	5.8	25.0
Fluorene	1.167	1.364	0.900	16.9	25.0
4-Nitroaniline	0.337	0.345		2.4	
4,6-Dinitro-2-methylphenol	0.069	0.064		7.2	
N-Nitrosodiphenylamine (1)	0.501	0.552		10.2	
4-Bromophenyl-phenylether	0.233	0.244	0.100	4.7	25.0
Hexachlorobenzene	0.270	0.285	0.100	5.6	25.0
Pentachlorophenol	0.126	0.128	0.050	1.6	25.0
Phenanthrene	1.029	1.091	0.700	6.0	25.0
Anthracene	0.985	1.049	0.700	6.5	25.0
Carbazole	0.968	1.020		5.4	
Di-n-butylphthalate	1.497	1.602		7.0	
Fluoranthene	1.149	1.134	0.600	1.3	25.0
Pyrene	1.208	1.174	0.600	2.8	25.0
Butylbenzylphthalate	0.627	0.650		3.7	
3,3'-Dichlorobenzidine	0.350	0.362		3.4	
Benzo(a)anthracene	0.964	1.037	0.800	7.6	25.0
Chrysene	0.901	0.971	0.700	7.8	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.869		1.2	
Di-n-octylphthalate	2.006	1.719		14.3	
Benzo(b)fluoranthene	1.211	1.171	0.700	3.3	25.0
Benzo(k)fluoranthene	1.206	1.174	0.700	2.6	25.0
Benzo(a)pyrene	0.965	0.990	0.700	2.6	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.548	0.500	4.7	25.0
Dibenz(a,h)anthracene	0.567	0.542	0.400	4.4	25.0
Benzo(g,h,i)perylene	0.554	0.548	0.500	1.1	25.0
Nitrobenzene-d5	0.387	0.414	0.200	7.0	25.0
2-Fluorobiphenyl	1.323	1.470	0.700	11.1	25.0
Terphenyl-d14	1.017	1.022	0.500	0.5	25.0
Phenol-d5	1.606	1.810	0.800	12.7	25.0
2-Fluorophenol	1.118	1.328	0.600	18.8	25.0
2,4,6-Tribromophenol	0.292	0.285		2.4	
2-Chlorophenol-d4	1.303	1.499	0.800	15.0	25.0
1,2-Dichlorobenzene-d4	0.973	1.095	0.400	12.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/03/93 Time:2131

Lab File ID:B4955 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.661	0.800	6.3	25.0
bis(2-Chloroethyl)ether	1.279	1.500	0.700	17.3	25.0
2-Chlorophenol	1.163	1.170	0.800	0.6	25.0
1,3-Dichlorobenzene	1.274	1.430	0.600	12.2	25.0
1,4-Dichlorobenzene	1.353	1.359	0.500	0.4	25.0
1,2-Dichlorobenzene	1.247	1.318	0.400	5.7	25.0
2-Methylphenol	1.111	1.193	0.700	7.4	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.352		2.7	
4-Methylphenol	1.181	1.342	0.600	13.6	25.0
N-Nitroso-di-n-propylamine	1.129	1.208	0.500	7.0	25.0
Hexachloroethane	0.520	0.558	0.300	7.3	25.0
Nitrobenzene	0.347	0.393	0.200	13.2	25.0
Isophorone	0.727	0.829	0.400	14.0	25.0
2-Nitrophenol	0.161	0.191	0.100	18.6	25.0
2,4-Dimethylphenol	0.297	0.367	0.200	23.6	25.0
bis(2-Chloroethoxy)methane	0.448	0.549	0.300	22.5	25.0
2,4-Dichlorophenol	0.271	0.331	0.200	22.1	25.0
1,2,4-Trichlorobenzene	0.293	0.336	0.200	14.7	25.0
Naphthalene	0.884	1.028	0.700	16.3	25.0
4-Chloroaniline	0.378	0.454		20.1	
Hexachlorobutadiene	0.178	0.204		14.6	
4-Chloro-3-methylphenol	0.319	0.378	0.200	18.5	25.0
2-Methylnaphthalene	0.608	0.749	0.400	23.2	25.0
Hexachlorocyclopentadiene	0.197	0.188		4.6	
2,4,6-Trichlorophenol	0.372	0.401	0.200	7.8	25.0
2,4,5-Trichlorophenol	0.405	0.445	0.200	9.9	25.0
2-Chloronaphthalene	1.030	1.140	0.800	10.7	25.0
2-Nitroaniline	0.380	0.422		11.0	
Dimethylphthalate	1.445	1.581		9.4	
Acenaphthylene	1.642	1.810	1.300	10.2	25.0
2,6-Dinitrotoluene	0.290	0.333	0.200	14.8	25.0
3-Nitroaniline	0.327	0.344		5.2	
Acenaphthene	1.083	1.169	0.800	7.9	25.0
2,4-Dinitrophenol	0.077	0.037		51.9	
4-Nitrophenol	0.132	0.143		8.3	
Dibenzofuran	1.611	1.777	0.800	10.3	25.0
2,4-Dinitrotoluene	0.452	0.490	0.200	8.4	25.0

CJW21
CJW22
CJW23
CJW24
SRLK03
CJW19
CJW19

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Instrument ID:MS2 Calibration Date:12/03/93 Time:2131

Lab File ID:B4955 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.612		11.7	
4-Chlorophenyl-phenylether	0.677	0.686	0.400	1.3	25.0
Fluorene	1.167	1.296	0.900	11.0	25.0
4-Nitroaniline	0.337	0.352		4.4	
4,6-Dinitro-2-methylphenol	0.069	0.072		4.3	
N-Nitrosodiphenylamine (1)	0.501	0.578		15.4	
4-Bromophenyl-phenylether	0.233	0.235	0.100	0.8	25.0
Hexachlorobenzene	0.270	0.288	0.100	6.7	25.0
Pentachlorophenol	0.126	0.142	0.050	12.7	25.0
Phenanthrene	1.029	1.149	0.700	11.7	25.0
Anthracene	0.985	1.061	0.700	7.7	25.0
Carbazole	0.968	1.058		9.3	
Di-n-butylphthalate	1.497	1.630		8.9	
Fluoranthene	1.149	1.251	0.600	8.9	25.0
Pyrene	1.208	1.207	0.600	0.1	25.0
Butylbenzylphthalate	0.627	0.686		9.4	
3,3'-Dichlorobenzidine	0.350	0.347		0.8	
Benzo(a)anthracene	0.964	0.973	0.800	0.9	25.0
Chrysene	0.901	0.964	0.700	7.0	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.971		10.3	
Di-n-octylphthalate	2.006	1.835		8.5	
Benzo(b)fluoranthene	1.211	1.210	0.700	0.1	25.0
Benzo(k)fluoranthene	1.206	1.213	0.700	0.6	25.0
Benzo(a)pyrene	0.965	1.002	0.700	3.8	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.572	0.500	0.5	25.0
Dibenz(a,h)anthracene	0.567	0.589	0.400	3.9	25.0
Benzo(g,h,i)perylene	0.554	0.546	0.500	1.4	25.0
Nitrobenzene-d5	0.387	0.436	0.200	12.7	25.0
2-Fluorobiphenyl	1.323	1.409	0.700	6.5	25.0
Terphenyl-d14	1.017	1.018	0.500	0.1	25.0
Phenol-d5	1.606	1.710	0.800	6.5	25.0
2-Fluorophenol	1.118	1.166	0.600	4.3	25.0
2,4,6-Tribromophenol	0.292	0.270		7.5	
2-Chlorophenol-d4	1.303	1.376	0.800	5.6	25.0
1,2-Dichlorobenzene-d4	0.973	0.968	0.400	0.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/08/93 Time:1020

Lab File ID:B5019 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.597	0.800	2.2	25.0
bis(2-Chloroethyl)ether	1.279	1.364	0.700	6.6	25.0
2-Chlorophenol	1.163	1.160	0.800	0.2	25.0
1,3-Dichlorobenzene	1.274	1.347	0.600	5.7	25.0
1,4-Dichlorobenzene	1.353	1.440	0.500	6.4	25.0
1,2-Dichlorobenzene	1.247	1.303	0.400	4.5	25.0
2-Methylphenol	1.111	1.146	0.700	3.2	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.634		9.0	
4-Methylphenol	1.181	1.241	0.600	5.1	25.0
N-Nitroso-di-n-propylamine	1.129	1.208	0.500	7.0	25.0
Hexachloroethane	0.520	0.563	0.300	8.3	25.0
Nitrobenzene	0.347	0.377	0.200	8.6	25.0
Isophorone	0.727	0.794	0.400	9.2	25.0
2-Nitrophenol	0.161	0.182	0.100	13.0	25.0
2,4-Dimethylphenol	0.297	0.319	0.200	7.4	25.0
bis(2-Chloroethoxy)methane	0.448	0.482	0.300	7.6	25.0
2,4-Dichlorophenol	0.271	0.300	0.200	10.7	25.0
1,2,4-Trichlorobenzene	0.293	0.337	0.200	15.0	25.0
Naphthalene	0.884	0.966	0.700	9.3	25.0
4-Chloroaniline	0.378	0.422		11.6	
Hexachlorobutadiene	0.178	0.184		3.4	
4-Chloro-3-methylphenol	0.319	0.346	0.200	8.5	25.0
2-Methylnaphthalene	0.608	0.654	0.400	7.6	25.0
Hexachlorocyclopentadiene	0.197	0.180		8.6	
2,4,6-Trichlorophenol	0.372	0.419	0.200	12.6	25.0
2,4,5-Trichlorophenol	0.405	0.465	0.200	14.8	25.0
2-Chloronaphthalene	1.030	1.200	0.800	16.5	25.0
2-Nitroaniline	0.380	0.432		13.7	
Dimethylphthalate	1.445	1.613		11.6	
Acenaphthylene	1.642	1.793	1.300	9.2	25.0
2,6-Dinitrotoluene	0.290	0.341	0.200	17.6	25.0
3-Nitroaniline	0.327	0.332		1.5	
Acenaphthene	1.083	1.186	0.800	9.5	25.0
2,4-Dinitrophenol	0.061	0.028		54.1	
4-Nitrophenol	0.132	0.128		3.0	
Dibenzofuran	1.611	1.786	0.800	10.9	25.0
2,4-Dinitrotoluene	0.452	0.475	0.200	5.1	25.0

SBLK04
CKW92R

All other compounds must meet a minimum RRF of 0.010

00134

FORM VII SV-1

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/08/93 Time:1020

Lab File ID:B5019 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.642		13.8	
4-Chlorophenyl-phenylether	0.677	0.763	0.400	12.7	25.0
Fluorene	1.167	1.285	0.900	10.1	25.0
4-Nitroaniline	0.337	0.366		8.6	
4,6-Dinitro-2-methylphenol	0.069	0.059		14.5	
N-Nitrosodiphenylamine (1)	0.501	0.578		15.4	
4-Bromophenyl-phenylether	0.233	0.264	0.100	13.3	25.0
Hexachlorobenzene	0.270	0.300	0.100	11.1	25.0
Pentachlorophenol	0.126	0.130	0.050	3.2	25.0
Phenanthrene	1.029	1.114	0.700	8.3	25.0
Anthracene	0.985	1.091	0.700	10.8	25.0
Carbazole	0.968	1.025		5.9	
Di-n-butylphthalate	1.497	1.756		17.3	
Fluoranthene	1.149	1.280	0.600	11.4	25.0
Pyrene	1.208	1.123	0.600	7.0	25.0
Butylbenzylphthalate	0.627	0.612		2.4	
3,3'-Dichlorobenzidine	0.350	0.317		9.4	
Benzo(a)anthracene	0.964	1.017	0.800	5.5	25.0
Chrysene	0.901	0.959	0.700	6.4	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.909		3.3	
Di-n-octylphthalate	2.006	1.889		5.8	
Benzo(b)fluoranthene	1.211	1.174	0.700	3.0	25.0
Benzo(k)fluoranthene	1.206	1.144	0.700	5.1	25.0
Benzo(a)pyrene	0.965	0.968	0.700	0.3	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.568	0.500	1.2	25.0
Dibenz(a,h)anthracene	0.567	0.566	0.400	0.2	25.0
Benzo(g,h,i)perylene	0.554	0.539	0.500	2.7	25.0
Nitrobenzene-d5	0.387	0.411	0.200	6.2	25.0
2-Fluorobiphenyl	1.323	1.380	0.700	4.3	25.0
Terphenyl-d14	1.017	0.964	0.500	5.2	25.0
Phenol-d5	1.606	1.580	0.800	1.6	25.0
2-Fluorophenol	1.118	1.080	0.600	3.4	25.0
2,4,6-Tribromophenol	0.292	0.341		16.8	
2-Chlorophenol-d4	1.303	1.290	0.800	1.0	25.0
1,2-Dichlorobenzene-d4	0.973	1.075	0.400	10.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

00134

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/07/93 Time:2020

Lab File ID:B5008 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.634	0.800	4.6	25.0
bis(2-Chloroethyl)ether	1.279	1.423	0.700	11.2	25.0
2-Chlorophenol	1.163	1.228	0.800	5.6	25.0
1,3-Dichlorobenzene	1.274	1.428	0.600	12.1	25.0
1,4-Dichlorobenzene	1.353	1.551	0.500	14.6	25.0
1,2-Dichlorobenzene	1.247	1.459	0.400	17.0	25.0
2-Methylphenol	1.111	1.213	0.700	9.2	25.0
2,2'-oxybis(1-Chloropropane)	2.417	3.000		24.1	
4-Methylphenol	1.181	1.370	0.600	16.0	25.0
N-Nitroso-di-n-propylamine	1.129	1.297	0.500	14.9	25.0
Hexachloroethane	0.520	0.591	0.300	13.6	25.0
Nitrobenzene	0.347	0.364	0.200	4.9	25.0
Isophorone	0.727	0.795	0.400	9.4	25.0
2-Nitrophenol	0.161	0.183	0.100	13.7	25.0
2,4-Dimethylphenol	0.297	0.306	0.200	3.0	25.0
bis(2-Chloroethoxy)methane	0.448	0.476	0.300	6.2	25.0
2,4-Dichlorophenol	0.271	0.287	0.200	5.9	25.0
1,2,4-Trichlorobenzene	0.293	0.321	0.200	9.6	25.0
Naphthalene	0.884	0.925	0.700	4.6	25.0
4-Chloroaniline	0.378	0.396		4.8	
Hexachlorobutadiene	0.178	0.206		15.7	
4-Chloro-3-methylphenol	0.319	0.357	0.200	11.9	25.0
2-Methylnaphthalene	0.608	0.623	0.400	2.5	25.0
Hexachlorocyclopentadiene	0.197	0.208		5.6	
2,4,6-Trichlorophenol	0.372	0.418	0.200	12.4	25.0
2,4,5-Trichlorophenol	0.405	0.431	0.200	6.4	25.0
2-Chloronaphthalene	1.030	1.063	0.800	3.2	25.0
2-Nitroaniline	0.380	0.415		9.2	
Dimethylphthalate	1.445	1.515		4.8	
Acenaphthylene	1.642	1.746	1.300	6.3	25.0
2,6-Dinitrotoluene	0.290	0.308	0.200	6.2	25.0
3-Nitroaniline	0.327	0.322		1.5	
Acenaphthene	1.083	1.111	0.800	2.6	25.0
2,4-Dinitrophenol	0.061	0.074		21.3	
4-Nitrophenol	0.132	0.147		11.4	
Dibenzofuran	1.611	1.731	0.800	7.4	25.0
2,4-Dinitrotoluene	0.452	0.486	0.200	7.5	25.0

CJW08 RE
CJW09 RE

All other compounds must meet a minimum RRF of 0.010

001338

ORIGINAL (Red)

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/07/93 Time:2020

Lab File ID:B5008 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.486		3.0	
4-Chlorophenyl-phenylether	0.677	0.771	0.400	13.9	25.0
Fluorene	1.167	1.243	0.900	6.5	25.0
4-Nitroaniline	0.337	0.338		0.3	
4,6-Dinitro-2-methylphenol	0.069	0.102		47.8	
N-Nitrosodiphenylamine (1)	0.501	0.539		7.6	
4-Bromophenyl-phenylether	0.233	0.252	0.100	8.2	25.0
Hexachlorobenzene	0.270	0.301	0.100	11.5	25.0
Pentachlorophenol	0.126	0.170	0.050	34.9	25.0
Phenanthrene	1.029	1.116	0.700	8.4	25.0
Anthracene	0.985	1.085	0.700	10.2	25.0
Carbazole	0.968	1.047		8.2	
Di-n-butylphthalate	1.497	1.662		11.0	
Fluoranthene	1.149	1.206	0.600	5.0	25.0
Pyrene	1.208	1.087	0.600	10.0	25.0
Butylbenzylphthalate	0.627	0.625		0.3	
3,3'-Dichlorobenzidine	0.350	0.371		6.0	
Benzo(a)anthracene	0.964	0.984	0.800	2.1	25.0
Chrysene	0.901	0.972	0.700	7.9	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.945		7.4	
Di-n-octylphthalate	2.006	1.918		4.4	
Benzo(b)fluoranthene	1.211	1.268	0.700	4.7	25.0
Benzo(k)fluoranthene	1.206	1.203	0.700	0.2	25.0
Benzo(a)pyrene	0.965	0.998	0.700	3.4	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.582	0.500	1.2	25.0
Dibenz(a,h)anthracene	0.567	0.586	0.400	3.4	25.0
Benzo(g,h,i)perylene	0.554	0.477	0.500	13.9	25.0
Nitrobenzene-d5	0.387	0.415	0.200	7.2	25.0
2-Fluorobiphenyl	1.323	1.382	0.700	4.4	25.0
Terphenyl-d14	1.017	1.022	0.500	0.5	25.0
Phenol-d5	1.606	1.776	0.800	10.6	25.0
2-Fluorophenol	1.118	1.206	0.600	7.9	25.0
2,4,6-Tribromophenol	0.292	0.355		21.6	
2-Chlorophenol-d4	1.303	1.339	0.800	2.8	25.0
1,2-Dichlorobenzene-d4	0.973	1.114	0.400	14.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

001333

ORIGINAL
(Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/07/93 Time:1058

Lab File ID:B5000 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.636	0.800	4.7	25.0
bis(2-Chloroethyl)ether	1.279	1.447	0.700	13.1	25.0
2-Chlorophenol	1.163	1.253	0.800	7.7	25.0
1,3-Dichlorobenzene	1.274	1.449	0.600	13.7	25.0
1,4-Dichlorobenzene	1.353	1.527	0.500	12.9	25.0
1,2-Dichlorobenzene	1.247	1.507	0.400	20.8	25.0
2-Methylphenol	1.111	1.153	0.700	3.8	25.0
2,2'-oxybis(1-Chloropropane)	2.417	3.316		37.2	
4-Methylphenol	1.181	1.308	0.600	10.8	25.0
N-Nitroso-di-n-propylamine	1.129	1.301	0.500	15.2	25.0
Hexachloroethane	0.520	0.611	0.300	17.5	25.0
Nitrobenzene	0.347	0.354	0.200	2.0	25.0
Isophorone	0.727	0.750	0.400	3.2	25.0
2-Nitrophenol	0.161	0.147	0.100	8.7	25.0
2,4-Dimethylphenol	0.297	0.308	0.200	3.7	25.0
bis(2-Chloroethoxy)methane	0.448	0.484	0.300	8.0	25.0
2,4-Dichlorophenol	0.271	0.294	0.200	8.5	25.0
1,2,4-Trichlorobenzene	0.293	0.340	0.200	16.0	25.0
Naphthalene	0.884	0.925	0.700	4.6	25.0
4-Chloroaniline	0.378	0.390		3.2	
Hexachlorobutadiene	0.178	0.199		11.8	
4-Chloro-3-methylphenol	0.319	0.333	0.200	4.4	25.0
2-Methylnaphthalene	0.608	0.665	0.400	9.4	25.0
Hexachlorocyclopentadiene	0.197	0.292		48.2	
2,4,6-Trichlorophenol	0.372	0.401	0.200	7.8	25.0
2,4,5-Trichlorophenol	0.405	0.438	0.200	8.1	25.0
2-Chloronaphthalene	1.030	1.156	0.800	12.2	25.0
2-Nitroaniline	0.380	0.396		4.2	
Dimethylphthalate	1.445	1.546		7.0	
Acenaphthylene	1.642	1.756	1.300	6.9	25.0
2,6-Dinitrotoluene	0.290	0.263	0.200	9.3	25.0
3-Nitroaniline	0.327	0.300		8.2	
Acenaphthene	1.083	1.148	0.800	6.0	25.0
2,4-Dinitrophenol	0.061	0.045		26.2	
4-Nitrophenol	0.132	0.121		8.3	
Dibenzofuran	1.611	1.736	0.800	7.8	25.0
2,4-Dinitrotoluene	0.452	0.463	0.200	2.4	25.0

CJW04
CJW05
CJW05M
CJW05MSD
CJW06

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/07/93 Time:1058

Lab File ID:B5000 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.490		3.2	
4-Chlorophenyl-phenylether	0.677	0.771	0.400	13.9	25.0
Fluorene	1.167	1.289	0.900	10.4	25.0
4-Nitroaniline	0.337	0.327		3.0	
4,6-Dinitro-2-methylphenol	0.069	0.060		13.0	
N-Nitrosodiphenylamine (1)	0.501	0.462		7.8	
4-Bromophenyl-phenylether	0.233	0.248	0.100	6.4	25.0
Hexachlorobenzene	0.270	0.335	0.100	24.1	25.0
Pentachlorophenol	0.126	0.148	0.050	17.5	25.0
Phenanthrene	1.029	1.067	0.700	3.7	25.0
Anthracene	0.985	1.055	0.700	7.1	25.0
Carbazole	0.968	0.976		0.8	
Di-n-butylphthalate	1.497	1.517		1.3	
Fluoranthene	1.149	1.253	0.600	9.0	25.0
Pyrene	1.208	1.105	0.600	8.5	25.0
Butylbenzylphthalate	0.627	0.568		9.4	
3,3'-Dichlorobenzidine	0.350	0.376		7.4	
Benzo(a)anthracene	0.964	0.948	0.800	1.6	25.0
Chrysene	0.901	0.935	0.700	3.8	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.824		6.4	
Di-n-octylphthalate	2.006	1.338		33.3	
Benzo(b)fluoranthene	1.211	1.089	0.700	10.1	25.0
Benzo(k)fluoranthene	1.206	1.115	0.700	7.5	25.0
Benzo(a)pyrene	0.965	0.970	0.700	0.5	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.755	0.500	31.3	25.0
Dibenz(a,h)anthracene	0.567	0.712	0.400	25.6	25.0
Benzo(g,h,i)perylene	0.554	0.702	0.500	26.7	25.0
Nitrobenzene-d5	0.387	0.386	0.200	0.2	25.0
2-Fluorobiphenyl	1.323	1.484	0.700	12.2	25.0
Terphenyl-d14	1.017	1.045	0.500	2.8	25.0
Phenol-d5	1.606	1.662	0.800	3.5	25.0
2-Fluorophenol	1.118	1.150	0.600	2.9	25.0
2,4,6-Tribromophenol	0.292	0.354		21.2	
2-Chlorophenol-d4	1.303	1.380	0.800	5.9	25.0
1,2-Dichlorobenzene-d4	0.973	1.095	0.400	12.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

001307

ORIGINAL

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/03/93 Time:2131

Lab File ID:B4955 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.562	1.661	0.800	6.3	25.0
bis(2-Chloroethyl)ether	1.279	1.500	0.700	17.3	25.0
2-Chlorophenol	1.163	1.170	0.800	0.6	25.0
1,3-Dichlorobenzene	1.274	1.430	0.600	12.2	25.0
1,4-Dichlorobenzene	1.353	1.359	0.500	0.4	25.0
1,2-Dichlorobenzene	1.247	1.318	0.400	5.7	25.0
2-Methylphenol	1.111	1.193	0.700	7.4	25.0
2,2'-oxybis(1-Chloropropane)	2.417	2.352		2.7	
4-Methylphenol	1.181	1.342	0.600	13.6	25.0
N-Nitroso-di-n-propylamine	1.129	1.208	0.500	7.0	25.0
Hexachloroethane	0.520	0.558	0.300	7.3	25.0
Nitrobenzene	0.347	0.393	0.200	13.2	25.0
Isophorone	0.727	0.829	0.400	14.0	25.0
2-Nitrophenol	0.161	0.191	0.100	18.6	25.0
2,4-Dimethylphenol	0.297	0.367	0.200	23.6	25.0
bis(2-Chloroethoxy)methane	0.448	0.549	0.300	22.5	25.0
2,4-Dichlorophenol	0.271	0.331	0.200	22.1	25.0
1,2,4-Trichlorobenzene	0.293	0.336	0.200	14.7	25.0
Naphthalene	0.884	1.028	0.700	16.3	25.0
4-Chloroaniline	0.378	0.454		20.1	
Hexachlorobutadiene	0.178	0.204		14.6	
4-Chloro-3-methylphenol	0.319	0.378	0.200	18.5	25.0
2-Methylnaphthalene	0.608	0.749	0.400	23.2	25.0
Hexachlorocyclopentadiene	0.197	0.188		4.6	
2,4,6-Trichlorophenol	0.372	0.401	0.200	7.8	25.0
2,4,5-Trichlorophenol	0.405	0.445	0.200	9.9	25.0
2-Chloronaphthalene	1.030	1.140	0.800	10.7	25.0
2-Nitroaniline	0.380	0.422		11.0	
Dimethylphthalate	1.445	1.581		9.4	
Acenaphthylene	1.642	1.810	1.300	10.2	25.0
2,6-Dinitrotoluene	0.290	0.333	0.200	14.8	25.0
3-Nitroaniline	0.327	0.344		5.2	
Acenaphthene	1.083	1.169	0.800	7.9	25.0
2,4-Dinitrophenol	0.061	0.037		39.3	
4-Nitrophenol	0.132	0.143		8.3	
Dibenzofuran	1.611	1.777	0.800	10.3	25.0
2,4-Dinitrotoluene	0.452	0.490	0.200	8.4	25.0

SB2K02
CTW25

All other compounds must meet a minimum RRF of 0.010

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Instrument ID:MS2 Calibration Date:12/03/93 Time:2131

Lab File ID:B4955 Init. Calib. Date(s):12/03/93 12/03/93

Init. Calib. Times: 1212 1632

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.443	1.612		11.7	
4-Chlorophenyl-phenylether	0.677	0.686	0.400	1.3	25.0
Fluorene	1.167	1.296	0.900	11.0	25.0
4-Nitroaniline	0.337	0.352		4.4	
4,6-Dinitro-2-methylphenol	0.069	0.072		4.3	
N-Nitrosodiphenylamine (1)	0.501	0.578		15.4	
4-Bromophenyl-phenylether	0.233	0.235	0.100	0.8	25.0
Hexachlorobenzene	0.270	0.288	0.100	6.7	25.0
Pentachlorophenol	0.126	0.142	0.050	12.7	25.0
Phenanthrene	1.029	1.149	0.700	11.7	25.0
Anthracene	0.985	1.061	0.700	7.7	25.0
Carbazole	0.968	1.058		9.3	
Di-n-butylphthalate	1.497	1.630		8.9	
Fluoranthene	1.149	1.251	0.600	8.9	25.0
Pyrene	1.208	1.207	0.600	0.1	25.0
Butylbenzylphthalate	0.627	0.686		9.4	
3,3'-Dichlorobenzidine	0.350	0.347		0.8	
Benzo(a)anthracene	0.964	0.973	0.800	0.9	25.0
Chrysene	0.901	0.964	0.700	7.0	25.0
bis(2-Ethylhexyl)phthalate	0.880	0.971		10.3	
Di-n-octylphthalate	2.006	1.835		8.5	
Benzo(b)fluoranthene	1.211	1.210	0.700	0.1	25.0
Benzo(k)fluoranthene	1.206	1.213	0.700	0.6	25.0
Benzo(a)pyrene	0.965	1.002	0.700	3.8	25.0
Indeno(1,2,3-cd)pyrene	0.575	0.572	0.500	0.5	25.0
Dibenz(a,h)anthracene	0.567	0.589	0.400	3.9	25.0
Benzo(g,h,i)perylene	0.554	0.546	0.500	1.4	25.0
Nitrobenzene-d5	0.387	0.436	0.200	12.7	25.0
2-Fluorobiphenyl	1.323	1.409	0.700	6.5	25.0
Terphenyl-d14	1.017	1.018	0.500	0.1	25.0
Phenol-d5	1.606	1.710	0.800	6.5	25.0
2-Fluorophenol	1.118	1.166	0.600	4.3	25.0
2,4,6-Tribromophenol	0.292	0.270		7.5	
2-Chlorophenol-d4	1.303	1.376	0.800	5.6	25.0
1,2-Dichlorobenzene-d4	0.973	0.968	0.400	0.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010

00133

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ORIGINAL (Red)

SDG NARRATIVE
ABB ENVIRONMENTAL SERVICES, INC.
CASE NO. 21162, SDG CJW01
CONTRACT NO. 68-D2-0025

JAN 21 1994
RECEIVED

Sample Receipt

Twenty-nine aqueous and soil/sediment samples were received by the ABB Environmental Services, Inc. (ABB-ES) on 11/03/93 and 11/04/93. Samples received were as follows:

CLP Sample No.	Date Received	SDG	Matrix	Fraction
CJW01	11/03/93	CJW01	Soil	Full
CJW02	11/03/93	CJW01	Soil	Full
CJW03	11/03/93	CJW01	Soil	Full
CJW04	11/03/93	CJW01	Soil	Full
CJW05	11/03/93	CJW01	Soil	Full
CJW06	11/03/93	CJW01	Soil	Full
CJW07	11/03/93	CJW01	Soil	Full
CJW08	11/03/93	CJW01	Soil	Full
CJW09	11/03/93	CJW01	Soil	Full
CJW10	11/03/93	CJW01	Soil	Full
CJW11	11/03/93	CJW01	Soil	Full
CJW12	11/03/93	CJW01	Soil	Full
CJW13	11/03/93	CJW01	Soil	Full
CJW14	11/03/93	CJW01	Soil	Full
CJW19	11/03/93	CJW01	Surface water	Full
CJW20	11/03/93	CJW01	Surface water	Full
CJW21	11/03/93	CJW01	Surface water	Full
CJW22	11/03/93	CJW01	Surface water	Full
CJW23	11/03/93	CJW01	Surface water	Full
CJW24	11/03/93	CJW01	Surface water	Full
CJW92	11/03/93	CJW25	Soil	Full
CJW25	11/03/93	CJW25	Surface water	Full
CJW26	11/03/93	CJW25	Surface water	Full
CJW27	11/03/93	CJW25	Surface water	Full
CJW28	11/03/93	CJW25	Leachate	Full
CJW15	11/04/93	CJW25	Groundwater	Full
CJW16	11/04/93	CJW25	Groundwater	Full
CJW18	11/04/93	CJW25	Groundwater	Full
CJW29	11/04/93	CJW25	Trip Blank	VOA only

Samples were split into two SDGs, CJW01 and CJW25, as noted in the table above. SDG CJW01 is due 12/08/93, while SDG CJW25 is due 12/09/93.

During the log-in process, the ABB-ES sample custodian noted that sample tags and bottle labels all said

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ORIGINAL (Red)

CKW92 for the sample listed as CJW92 on the traffic report. Jane von Hofen of SMO was contacted, with resolution of the situation to call this sample CKW92.

Copies of the telephone record log and sampling memo are appended to this narrative.

No other protocol deviations were noted during the log-in process. Samples in this data package comprise SDG CJW01.

Volatile Organics Analysis

A low-level soil MS/MSD was performed on CJW05 and on aqueous MS/MSD was done on CJW19, as requested by the sampling team on the traffic report.

The initial analysis of CJW01 generated a low recovery of the internal standard chlorobenzene-d5. Reanalysis generated three low internal standard area recoveries, as well as an out-of-criteria surrogate, confirming matrix interference. Both sets of data are included in this data package.

The initial analysis of CJW02 generated three low internal standard area recoveries. Reanalysis had two low istd recoveries confirming matrix interference. Both sets of data are included in this data package.

The initial analysis of CJW04 generated a low recovery of chlorobenzene-d5. Reanalysis had two low istd recoveries, confirming matrix interference. Both sets of data are included in this data package.

The initial analysis of CJW09 had three low istd area recoveries. Reanalysis had a low recovery of chlorobenzene-d5, confirming matrix interference. Both sets of data are included in this data package.

The pH of each aqueous sample was monitored at the time of analysis and found to be <2.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration.

Due to Telecations software limitations, negative % D values have been reported as positive numbers on the Form 7s.

No other protocol deviations were noted by the ABB-ES volatile organics group. ABB-ES considers the following volatile organic analyses to be billable: CJW01, CJW01RE, CJW02, CJW02RE, CJW03, CJW04, CJW04RE, CJW05, CJW05MS, CJW05MSD, CJW06, CJW07, CJW08, CJW09, CJW09RE, CJW10, CJW11, CJW12, CJW13, CJW14, CJW19, CJW19MS, CJW19MSD, CJW20, CJW21, CJW22, CJW23, and CJW24, for a total of 28 ($169.20) = $4,737.60.

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BNA Extractions and Analysis

Aqeuous samples CJW19, CJW20, CJW21, and CJW22 were extracted under SBLK01 on 11/04/93. Aqueous samples CJW23 and CJW24 were extracted under SBLK02 on 11/05/93. Aqueous QC samples CJW19MS and CJW19MSD were extracted under SBLK03 on 11/09/93.

Soil samples CJW01, CJW02, CJW03, CJW04, CJW05, CJW05MS, CJW05MSD, CJW06, CJW07, CJW08, and CJW09 were extracted under SBLK04 on 11/10/93. The rest of the soil samples, CJW10, CJW11, CJW12, CJW13 and CJW14 were extracted under SBLK05 on 11/11/93. All of the soil samples were extracted following low-level protocols.

Initial analyses of CJW08 and CJW09 each generated a low recovery of the last internal standard perylene-d12. Reanalysis of each generated the same result, confirming matrix interference. For each sample, both sets of data are included in the data package.

Analysis of CJW05MSD generated two high internal standard area recoveries. No action was taken according to SOW instructions.

Analysis of CJW14 generated a low recovery of the internal standard perylene-d-12. Reanalysis did not occur due to analyst error.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration.

Due to Telecations software limitations, negative % D values have been reported as positive numbers on the Form 7s.

No other protocol deviations were noted by the BNA group. ABB-ES considers the following BNA extractions and analyses to be billable: CJW19, CJW20, CJW21, CJW22, CJW23, CJW24, CJW19MS, CJW19MSD, CJW01, CJW02, CJW03, CJW04, CJW05, CJW05MS, CJW05MSD, CJW06, CJWo7, CJW08, CJW09, CJW10, CJW11, CJW12, CJW13, and CJW14. ABB-ES also considers analyses of CJW08RE and CJW09RE to be billable. The total BNA price is $8,460.00.

Pesticide/PCB Extractions and Analysis

EPA case number 21162 SDG Number CJW01 was received on 11/03/93. Samples PBLKNC, PBLKPA, CJW19, CJW20, CJW21, CJW22, CJW23 and CJW24 were extracted on 11/06/93. Samples PBLKPD, CJW01, CJW02, CJW03, CJW04, CJW05, CJW05MS, CJW05MSD, CJW06, CJW07, CJW08, CJW09, CJW10, CJW11, CJW12, CJW13, and CJW14 were extracted on 11/09/93. Samples PBLKPC, CJW20MS and CJW20MSD were extracted on 11/09/93, six days after the verified time of sample receipt. Samples PBLKNC, CJW19, CJW20, CJW22 and CJW23 were analyzed on 12/12/93. Samples PBLKPA, CJW21 and CJW24 were analyzed on 12/16/93. Samples PBLKPC, CJW20MS, CJW20MSD,

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CJW01, CJW02, CJW03, CJW04, CJW05, CJW05MS, CJW05MSD, CJW07 and CJW08 were analyzed on 12/17/93. Samples CJW06, CJW09, CJW10, CJW11, CJW12, CJW13 and CJW14 were analyzed on 12/18/93.

Several protocol deviations occurred during sample analysis. Due to analyst oversight, CJW20MS and CJW20MSD were extracted one day out of analytical hold time.

Surrogate recoveries exceeded QC limits. Section E-33/Pest paragraph 7.3 states that these limits are advisory and no further action by the laboratory is required if the limits are exceeded.

Surrogate retention time shifts were noted. No samples or related continuing calibration standards were affected.

There were no spiked compounds detected in CJW20MS and it is believed that inadvertently the sample was not spiked. Due to the expiration of analytical hold time, this sample was not re-extracted. Consequently, the RPD for all compounds between CJW20MS and CJW20MSD exceeded QC limits, Section E-34/Pest paragraph 8.8.3 states that these limits are advisory and no further action by the laboratory is required when the limits are exceeded.

All manual integrations, flagged with an "M", have been reviewed and approved by the GC Supervisor.

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 the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer readable data submitted on floppy diskette has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

James F. Galasyn

James F. Galasyn, Ph.D.
CLP Project Manager
January 14, 1994

000005

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SDG NARRATIVE
ABB ENVIRONMENTAL SERVICES, INC.
CASE NO. 21162, SDG CJW25
CONTRACT NO. 68-D2-0025

Sample Receipt

Twenty-nine aqueous and soil/sediment samples were received by the ABB Environmental Services, Inc. (ABB-ES) on 11/03/93 and 11/04/93. Samples received were as follows:

CLP Sample No.	Date Received	SDG	Matrix	Fraction
CJW01	11/03/93	CJW01	Soil	Full
CJW02	11/03/93	CJW01	Soil	Full
CJW03	11/03/93	CJW01	Soil	Full
CJW04	11/03/93	CJW01	Soil	Full
CJW05	11/03/93	CJW01	Soil	Full
CJW06	11/03/93	CJW01	Soil	Full
CJW07	11/03/93	CJW01	Soil	Full
CJW08	11/03/93	CJW01	Soil	Full
CJW09	11/03/93	CJW01	Soil	Full
CJW10	11/03/93	CJW01	Soil	Full
CJW11	11/03/93	CJW01	Soil	Full
CJW12	11/03/93	CJW01	Soil	Full
CJW13	11/03/93	CJW01	Soil	Full
CJW14	11/03/93	CJW01	Soil	Full
CJW19	11/03/93	CJW01	Surface Water	Full
CJW20	11/03/93	CJW01	Surface Water	Full
CJW21	11/03/93	CJW01	Surface Water	Full
CJW22	11/03/93	CJW01	Surface Water	Full
CJW23	11/03/93	CJW01	Surface Water	Full
CJW24	11/03/93	CJW01	Surface Water	Full
CJW92	11/03/93	CJW25	Soil	Full
CJW25	11/03/93	CJW25	Surface Water	Full
CJW26	11/03/93	CJW25	Surface Water	Full
CJW27	11/03/93	CJW25	Surface Water	Full
CJW28	11/03/93	CJW25	Leachate	Full
CJW15	11/04/93	CJW25	Groundwater	Full
CJW16	11/04/93	CJW25	Groundwater	Full
CJW18	11/04/93	CJW25	Groundwater	Full
CJW29	11/04/93	CJW25	Trip Blank	VOA only

Samples were split into two SDGs, CJW01 and CJW25, as noted in the table above. SDG CJW01 is due 12/08/93, while SDG CJW25 is due 12/09/93.

During the log-in process, the ABB-ES sample custodian noted that sample tags and bottle labels all said

000002

ORIGINAL
(Red)

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CKW92 for the sample listed as CJW92 on the traffic report. Jane von Hofen of SMO was contacted, with resolution of the situation being to call this sample CKW92.

Copies of the telephone record log and sampling memo are appended to this narrative.

No other protocol deviations were noted during the log-in process. Samples in this data package comprise SDG CJW25.

Volatile Organics Analysis

The sole soil sample in this SDG, CKW92, was an analyzed on 11/11/93 following low-level protocols. A MS/MSD was also performed on this sample.

CJW18 was chosen for use as the aqueous MS/MSD. No analytical QC deviations were noted by the volatile organics group during analysis of either the soil or aqueous samples.

The pH of each aqueous sample was monitored at the time of analysis and found to be less than 2.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration.

Due to Telecations software limitations, negative % D values have been reported as positive numbers on the Form 7s.

ABB-ES considers the following volatile organic analyses to be billable: CKW92, CKW92MS, CKW92MSD, CJW28, CJW25, CJW26, CJW27, CJW16, CJW18, CJW18MS, CJW18MSD, CJW29, and CJW15, for a total of $2,199.60.

BNA Extractions and Analysis

Aqueous sample CJW25 was extracted under SBLK01 on 11/05/93. Aqueous samples CJW26, CJW27, CJW28, CJW15, CJW16, CJW18, CJW18MS, and CJW18MSD were extracted under SBLK02 on 11/07/93.

The sole soil sample, CKW92, and associated QC (CKW92MS and CKW92MSD) were extracted under SBLK03 on 11/11/93. The extract for CKW92 was lost during the extraction/concentration step due to a glassware break. CKW92 was reextracted under SBLK04 on 11/23/93, outside of extraction holding times. Only this reextracted sample was analyzed and reported.

No protocol deviations were noted by the BNA staff during analysis of these samples.

Several manual integrations were performed due to split peaks; all have been flagged with a "M"

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Fax (207) 775-4029

(software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration.

Due to Telecations software limitations, negative % D values have been reported as positive numbers on the Form 7s.

ABB-ES considers the following BNA extractions and analyses to be billable: CJW25, CJW26, CJW27, CJW28, CJW15, CJW16, CJW18, CJW18MS, CJW18MSD, CKW92, CKW92MS, and CKW92MSD, for a total of 12($338.40) = $4,060.80.

Pesticide/PCB Extractions and Analysis

EPA case number 21162 SDG Number CJW25 was received on 11/03/93 and 11/04/93. Samples PBLKPA, CJW15, CJW16, CJW25, CJW26, CJW27, and CJW28 were extracted on 11/06/93. Samples PBLKPB, CJW18, CJW18MS, and CJW18MSD were extracted on 11/08/93. Samples PBLKPD, CJW92, CJW92MS, and CJW92MSD were extracted on 11/09/93. Samples PBLKPA, CJW15, CJW16, CJW25, CJW26, CJW27, and CJW28 were analyzed on 12/16/93. Samples PBLKPB, CJW18 and CJW18MS, CJW18MSD and PBLKPD were analyzed on 12/17/93. Samples CKW92, CKW92MS, and CKW92MSD were analyzed on 12/18/93.

Several protocol deviations occurred during sample analysis. Surrogate recoveries exceeded QC limits. Section E-33/Pest paragraph 7.3 states that these limits are advisory and no further action by the laboratory is required if the limits are exceeded.

The percent RPD for all spiked compounds between CJW18MS and CJW18MSD exceeded QC limits. Section E-34/Pest paragraph 8.8.3 states that these limits are advisory and no further action by the laboratory is required when the limits are exceeded.

Surrogate retention time shifts were noted. No samples or related continuing calibration standards were affected.

All manual integrations, flagged with an "M", have been reviewed and approved by the GC Supervisor.

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 the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer readable data submitted on floppy diskette has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

James F. Galasyn

James F. Galasyn, Ph.D.
CLP Project Manager
January 14, 1994

San Luis Obispo, CA • Camarillo, CA • San Jose, CA
Valparaiso, IN • Indianapolis, IN • Westbrook, ME

ORIGINAL
(Red)

Hoffman LF

MARYLAND DEPARTMENT OF THE ENVIRONMENT
2500 Broening Highway • Baltimore, Maryland 21224
(410) 631-3000

William Donald Schaefer
Governor

David A.C. Carroll
Secretary

November 16, 1993

Mr. Willard Warren
Coast to Coast Analytical Services, Inc.
340 Country Road, # 5
Westbrook, ME 04092

Dear Mr. Warren:

The Maryland Department of the Environment, Waste Management Administration (MDE/WAS) conducted sampling of Contract Laboratory Program (CLP) Routine Analytical Services (RAS) case number 21162 on November 2 and 3, 1993. Samples collected on November 2, 1993 were shipped the same day via Federal Express, airbill number 3250702210.

The CLP sample number for sample location Source - 6 , collected on November 2, 1993 at 1230 hours, was incorrectly identified on the organic traffic report & chain of custody record, number 0339551. The CLP sample number "CJW 92" should be changed to "CKW 92".

The Region III Sample Management Office (SMO) requested that a "Memo to File" be submitted to all parties as specified by the U.S. Environmental Protection Agency directives.

Any questions regarding this matter should be directed to Ms. Michele Mosco at (410) 631-3465.

Sincerely,

Alex M. Cox, Chief
Site Assessment Division
Environmental Response and Restoration Program

AMC:mm

Enclosure

cc: Mr. Richard Collins
Mr. Robert DeMarco
Mr. Michael Taurino, USEPA Region III
Ms. Judy Snyder, USEPA ESAT
Ms. Jane Von Hofen, USEPA SMO

ORIGINAL (Red)

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WASTE MANAGEMENT ADMINISTRATION
ENVIRONMENTAL RESPONSE AND RESTORATION PROGRAM

MEMORANDUM

Date: November 8, 1993

To: File

From; Michele Mosco Michele Mosco

Subject: USEPA Region III Contract Laboratory Program
RAS case number 21162

****

This memorandum is to correct the organic traffic report & chain of custody record for case number 21162. This case was shipped via Federal Express, airbill number 3250702210, on November 2, 1993. The sample identified as Source - 6 is listed on the organic traffic report & chain of custody report document number 0339551. The regional specific tracking tag numbers associated with this sample are 3-1243069, 3-1243070 and 3-1243071. This sample was collected on November 2, 1993 at 1230 hours.

The organic traffic report & chain of custody record states that the CLP sample number for the sample identified as Source - 6 is "CCW 92". The CLP sample number for the sample identified as Source - 6 on traffic report & chain of custody record number 0339551, should be corrected to read "CKW 92".

ORIGINAL
(Red)

Hoffman LF MD/SI

In Reference to Case No(s):
21162
03931004

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: Nov. 8, 1993

Laboratory Name: ABB, Jim Galasyn

SMO Contact: Jane von Hofen

Region: III

Regional Contact: J. Snyder, ESAT/A. Lage, EPA

Call Initiated by: ____ Laboratory ____ Region X SMO

In reference to data for the following sample number(s):
CKW92, tag numbers 3-1243069 through 3-1243071

Summary of Questions/Issues Discussed:
Sample CJW92, tag numbers 3-1243069 through 3-1243071 was listed on the TR/COC but the sample containers and tags were marked as CKW92. Which is correct?

Summary of Resolution:
Sample CKW92 is the correct designation. The sampler will write a memo to file to correct the TR/COC. The lab will please note the problem in the case narrative and include this phone log and the sampler's memo to file in the data package.

Judy Snyder ESAT 11-8-93
Signature (Affiliation) Date

Arnette Lage EPA 11-9-93
Signature (Affiliation) Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy
[redacted] (5) trouble (6) pending (7) RPM-Michael Taurino 3HW73
(8) requestor-Michelle Moscow, MD. DOE (9) CRL-Monica Jones

In Reference to Case No(s):
21162 SDG# CJW01
03931151

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
HOFFMAN LF
Telephone Record Log

Date of Call: 2/16/94

Sampler Name: STATE OF MD

Sampler Contact: MICHELE MOSCO

Region: III

Regional Contact: J. Janz, ESAT/A. Lage, EPA

Call Initiated by: _____ Laboratory X Region ____ SMO

In reference to data for the following sample number(s):

CJW14

Summary of Questions/Issues Discussed:

THE SAMPLE TAGS FOR CJW14 HAVE A SAMPLING TIME OF 1022 AND ON THE TR/COC THE SAMPLING TIME IS 1122. WHICH IS CORRECT?

Summary of Resolution:
MICHELE MOSCO WILL WRITE A MEMO TO FILE TO STATE THE CORRECT TIME.

Janie Janz / Esat 2/16/94
Signature (Affiliation) Date

Arnette Lage, EPA 2-17-94
Signature (Affiliation) Date

Distribution: (1) EVIDENCE ENVELOPE 2) REQUEST 3)SMO 4) SAMPLER STATE OF MD MICHELLE MOSCO 5)PENDING FILE 6) TROUBLE FILE 7)DATA PACKAGE 8)AFC SUE STEVENS 9)RPM MIKE TAURINO 3HW73

ORIGINAL
(Red)

In Reference to Case No(s):
21162
03931004

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: Nov. 8, 1993

Laboratory Name: ABB, Jim Galasyn

SMO Contact: Jane von Hofen

Region: III

Regional Contact: J. Snyder, ESAT/A. Lage, EPA

Call Initiated by: _____ Laboratory _____ Region X SMO

In reference to data for the following sample number(s):
CKW92, tag numbers 3-1243069 through 3-1243071

Summary of Questions/Issues Discussed:
Sample CJW92, tag numbers 3-1243069 through 3-1243071 was listed on the TR/COC but the sample containers and tags were marked as CKW92. Which is correct?

Summary of Resolution:
Sample CKW92 is the correct designation. The sampler will write a memo to file to correct the TR/COC. The lab will please note the problem in the case narrative and include this phone log and the sampler's memo to file in the data package.

Judy Snyder ESAT 11-8-93
Signature (Affiliation) Date
Annette Lage, EPA 11-9-93
Signature (Affiliation) Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy
(4) site (5) trouble (6) pending (7) RPM-Michael Taurino 3HW73
(8) requestor-Michelle Moscow, MD. DOE (9) CRL-Monica Jones

000005

Rec'd 11/23/93

MARYLAND DEPARTMENT OF THE ENVIRONMENT
2500 Broening Highway • Baltimore, Maryland 21224
(410) 631-3000

ORIGINAL (Red)

William Donald Schaefer
Governor

David A.C. Carroll
Secretary

November 16, 1993

Mr. Willard Warren
Coast to Coast Analytical Services, Inc.
340 Country Road, # 5
Westbrook, ME 04092

Dear Mr. Warren:

The Maryland Department of the Environment, Waste Management Administration (MDE/WAS) conducted sampling of Contract Laboratory Program (CLP) Routine Analytical Services (RAS) case number 21162 on November 2 and 3, 1993. Samples collected on November 2, 1993 were shipped the same day via Federal Express, airbill number 3250702210.

The CLP sample number for sample location Source - 6 , collected on November 2, 1993 at 1230 hours, was incorrectly identified on the organic traffic report & chain of custody record, number 0339551. The CLP sample number "CJW 92" should be changed to "CKW 92".

The Region III Sample Management Office (SMO) requested that a "Memo to File" be submitted to all parties as specified by the U.S. Environmental Protection Agency directives.

Any questions regarding this matter should be directed to Ms. Michele Mosco at (410) 631-3465.

Sincerely,

Alex M. Cox, Chief
Site Assessment Division
Environmental Response and Restoration Program

AMC:mm

Enclosure

cc: Mr. Richard Collins
Mr. Robert DeMarco
Mr. Michael Taurino, USEPA Region III
Ms. Judy Snyder, USEPA ESAT
Ms. Jane Von Hofen, USEPA SMO

000006

ORIGINAL
(Red)

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WASTE MANAGEMENT ADMINISTRATION
ENVIRONMENTAL RESPONSE AND RESTORATION PROGRAM

MEMORANDUM

Date: November 8, 1993

To: File

From; Michele Mosco Michele Mosco

Subject: USEPA Region III Contract Laboratory Program
RAS case number 21162

****

This memorandum is to correct the organic traffic report & chain of custody record for case number 21162. This case was shipped via Federal Express, airbill number 3250702210, on November 2, 1993. The sample identified as Source - 6 is listed on the organic traffic report & chain of custody report document number 0339551. The regional specific tracking tag numbers associated with this sample are 3-1243069, 3-1243070 and 3-1243071. This sample was collected on November 2, 1993 at 1230 hours.

The organic traffic report & chain of custody record states that the CLP sample number for the sample identified as Source - 6 is "CJW 92". The CLP sample number for the sample identified as Source - 6 on traffic report & chain of custody record number 0339551, should be corrected to read "CKW 92".

000001

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

[redacted]S No. [redacted] (if applicable) | Case [redacted] 2462

1. Sample Description (Enter in Column A)	2. Preservative (Enter in Column D)	3. Region No.	Sampling Co.	5. Date Shipped	Carrier	7. Date Received -- Received by
1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)	1. HCl 2. HNO3 3. NaHSO4 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved	III	MDE/ERRP	11-2-93	Federal Express	110393 Lori A. Diffin

Sampler (Name): Ginny Sells

Airbill Number: 3250702210

Laboratory Contract Number: 68-D2-0025

Sampler Signature: Ginny Sells (MSM)

6. Ship To: COAST TO COAST ANALYTICAL SERVICES INC
340 Country Road, #5
WESTBROOK ME 04092
(207) 874-2400
ATTN: WILLARD WARREN

8. Transfer to: 000011

Date Received

Received by

Contract Number

Price

4. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF		RIFS	CLEM	
PRP		RD	REMA	
ST	X	PA	RA	REM
FED		SSI	O&M	OIL
		LSI X	NPLD	UST

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below) Solids	Water-Mis Liq.	Non Water-Mis Liq.
CJW 11	5	L	G	6	X	X	X		3-1244134 through 3-1244136	SED 6	11-2-93/1025	[illegible]	MCJX11	COOL & INTACT			
CJW 12	5	L	G	6	X	X	X		3-1244137 through 3-1244139	SED 7	11-2-93/0930	[illegible]	MCJX12				
CJW 13	5	L	G	6	X	X	X		3-1244140 through 3-1244142	SED 8	11-2-93/1000	[illegible]	MCJX13				
CJW 19	1	L	G	1,6	X	X	X		3-1244143 through 3-1244144 70-78	SW-1	11-2-93/0830	VR	MCJX19				
CJW 20	1	L	G	1,6	X	X	X		3-1244174 through 3-1244177	SW-2	11-2-93/0910	VR	MCJX20				
CJW 21	1	L	G	1,6	X	X	X		3-1244178 through 3-1244181	SW-3	11-2-93/1122	VR	MCJX21				
CJW 22	1	L	G	1,6	X	X	X		3-1244182 through 3-1244185	SW-4	11-2-93/1022	VR	MCJX22				
CJW 23	1	L	G	1,6	X	X	X		3-1244186 through 3-1244189	SW-5	11-2-93/0900	[illegible]	MCJX23				
CJW 14	5	L	G	6	X	X	X		3-1244143 through 3-1244145	SED-9	11-2-93/1122	VR	MCJX14				
* CJW 24	1	L	G	1,6	X	X	X		3-1244190 through 3-1244191	SW-6	11-2-93/1025	[illegible]	MCJX24				

Shipment for Case complete? (Y/N): N

Page 1 of 2

Sample used for a spike and/or duplicate

Additional Sampler Signatures: [illegible]

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michele A. Marco	11-2-93 1800				
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) Lori A. Diffin	Date / Time SDG: CJW01 110393 1010	Remarks Is custody seal intact? Y/N/none *CJW24 SDG FINAL SAMPLE	

Split Samples ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

ORIGINAL (Red)

Org-2

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 21162

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
—	2T5A03N9ZZ	III	MDE/ERRP	11-3-93	FEDERAL EXPRESS

Regional Information: —

Sampler (Name): Ginny Sells

Airbill Number: 9739413876

Non-Superfund Program: —

Sampler Signature: Ginny Sells

5. Ship To: COAST TO COAST ANALYTICAL SERVICES, INC. 340 Country Road, #5 WESTBROOK, ME 04092 (207) 874-2400 ATTN: WILLARD WARREN

Site Name: HLF

3. Type of Activity: SF, PRP, ST [X], FED; Lead: SSI [X], LSI; Pre-Remedial: PA; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST

City, State: Frostburg, MD

Site Spill ID: —

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

ORIGINAL (Red)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
CJW15	2	L	G	1,6	X	X	X		3-1244146 through 3-1244149	RW-1	11-3-93/0935	KT	MCJX15	—
CJW16	2	L	G	1,6	X	X	X		3-1244150 through 3-1244153	RW-2	11-3-93/1020	KT	MCJX16	—
CJW17	2	L	G	1,6	X	X	X		3-1244154 through 3-1244157	RW-3			MCJX17	—
CJW18	2	L	G	1,6	X	X	X		3-1244158 through 3-1244169	RW-4	11-3-93/0840	KT	MCJX18	—
CJW29	3	L	G	1,6	X				3-1244210 through 3-1244211	TB-1	11-3-93/0825	MMD	—	B

MMD

Shipment for Case complete? (Y/N): Y

Page 1 of 1

Sample used for a spike and/or duplicate: DO QC on CJW18

Additional Sampler Signatures: Michele A. Mosco, Kevin Ann

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michele A. Mosco	11-3-93/1600				
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	Is custody seal intact? Y/N/none

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

(1)

EPA SAMPLE SHIPPING LOG

(REQUIRED FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM)

MD | ESI

PROJECT SITE NAME: Hoffman Landfill ; EPA PROJ. OFFICER: MICHAEL TALIRINO
RAS NO. 21162 ; SAS NO. — ; TASK NO. —
PROJECT SITE LEADER: JENNIFER PEARSON ; PHONE NO. (410) 631-3493
PROJECT SAMPLE COORDINATOR: MICHELE MOSCO ; PHONE NO. (410) 631-3465

SAS REQUEST (DETAILS REQUIRED) (10)

QC SAMPLE INFORMATION AND/OR COMMENTS (2)	CONC. (LOW/MED./HIGH) (3)	SAMPLE PHASE (AQ/SOL.) (4)	TYPE OF REQUEST (ORG. DIO. OR INOR.) SAS (5)	EPA SAMPLE NO. (6)	ORGANICS OR INORGANICS: LAB NAME (7)	DATE SHIPPED (8)	DATA RECEIVED (XX-OUT ITEMS NOT REQUESTED): VOA	BNA	PEST	TCDD (9)	METALS	CN	LAB NAME (11)	SAS REQUEST (ITEMIZE) (12)	DATE SHIPPED (13)	DATA REC'D.
	LOW	SOL	ORG	CJW01	ABB	11-2-93	✓	✓	✓							
				CJW02			✓	✓	✓							
				CJW03			✓	✓	✓							
				CJW04			✓	✓	✓							
MATRIX SPIKE				CJW05			✓	✓	✓							
				CJW06			✓	✓	✓							
				CJW07			✓	✓	✓							
				CJW08			✓	✓	✓							
DUP OF CJW14				CJW09			✓	✓	✓							
				CJW10			✓	✓	✓							
				CJW11			✓	✓	✓							
				CJW12			✓	✓	✓							
				CJW13			✓	✓	✓							
DUP OF CJW09				CJW14			✓	✓	✓							
				CKW92			✓	✓	✓		rec'd					

FINAL SAMPLING: YES ☒ ; NO ☐ ; FINAL SHIPPING DATE: 11-3-93
(14)

REVISION

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 21162

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
—	2T5A03N9ZZ	III	MDE/ERRP	11-2-93	Federal Express

Regional Information: —

Sampler (Name): Ginny Sells

Airbill Number: 3250702210

Non-Superfund Program: —

Sampler Signature: Ginny Sells (MAM)

Site Name: HLF

City, State: Ho Frostburg, MD

Site Spill ID: —

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal

SF		RIFS		CLEM	
PRP		RD		REMA	
ST	X	PA		REM	
FED		SSI		OIL	
		LSI	X	UST	
		NPLD			

5. Ship To: COAST TO COAST ANALYTICAL SERVICES, INC., 340 Country Road, #5, WEST BROOK, ME 04092

ATTN: (207) 874-2400 WILLARD WARREN

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

ORIGINAL (Red)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
CJW25	1	L	G	1,6	X	X	X		3-1244194 through 3-1244197	SW-7	11-2-93/0930	KT	MCJX25	—
CJW26	1	L	G	1,6	X	X	X		3-1244198 through 3-1244201	SW-8	11-2-93/1000	KT	MCJX26	—
CJW27	1	L	G	1,6	X	X	X		3-1244202 through 3-1244205	SW-9	11-2-93/1122	VR	MCJX27	D
CJW28	3	L	G	1,6	X	X	X		3-1244206 through 3-1244209	BLK-1	11-2-93/0840	MAM	MCJX29	B
~~CJW92~~	5	L	G	6	X	X	X		3-1244[illegible]3069 through 3-1243071	SOURCE-6	11-2-93/1230	KT	MCJX92	—
OKW92														

Shipment for Case complete? (Y/N): N

Page 1 of 3

Sample used for a spike and/or duplicate

Additional Sampler Signatures: Vane Gimer, Michele A. Masco, Kenneth [illegible]

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michele A. Masco	11-2-93 1800				
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 Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ [illegible]ed

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Retur[illegible] Region Yellow - Lab Co[illegible] Retur[illegible]MO

SE[illegible]ERSE [illegible] ADDI[illegible] STA[illegible]D INS[illegible]TIONS [illegible]

EPA United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 2231[redacted]
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS (if applicable)

Case No. 21162

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
—	2T5AD3N9ZZ	III	MDE/ERRP	11-2-93	Federal Express

Regional Information: —

Sampler (Name): Ginny Sells

Airbill Number: 3250702210

Non-Superfund Program: —

Sampler Signature: Ginny Sells (msm)

5. Ship To: COAST TO COAST ANALYTICAL SERVICES, INC.
340 Country Road, #5
WESTBROOK ME 04092
(207) 874-2400
ATTN: WILLARD WARREN

Site Name: HLF

City, State: Frostburg MD

Site Spill ID: —

3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF / PRP / ST / FED / PA / SSI / LSI / RIFS / RD / RA / O&M / NPLD / CLEM / REMA / REM / OIL / UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. $NaHSO_4$ 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
CJW 11	5	L	G	6	X	X	X		3-1244134 through 3-1244136	SED-6	11-2-93/1025	KH	MCJX11	—
CJW 12	5	L	G	6	X	X	X		3-1244137 through 3-1244139	SED-7	11-2-93/0930	KH	MCJX12	—
CJW 13	5	L	G	6	X	X	X		3-1244140 through 3-1244142	SED-8	11-2-93/1000	KH	MCJX13	—
CJW 19	1	L	G	1,6	X	X	X		3-1244143 through 3-1244145 70-74	SW-1	11-2-93/0930	VR	MCJX19	—
CJW 20	1	L	G	1,6	X	X	X		3-1244174 through 3-1244177	SW-2	11-2-93/0910	VR	MCJX20	—
CJW 21	1	L	G	1,6	X	X	X		3-1244178 through 3-1244181	SW-3	11-2-93/1122	VR	MCJX21	—
CJW 22	1	L	G	1,6	X	X	X		3-1244182 through 3-1244185	SW-4	11-2-93/1022	VR	MCJX22	—
CJW 23	1	L	G	1,6	X	X	X		3-1244186 through 3-1244189	SW-5	11-2-93/0900	KH	MCJX23	—
CJW 14	5	L	G	6	X	X	X		3-1244143 through 3-1244145	SED-9	11-2-93/1122	VR	MCJX14	D
CJW 24	1	L	G	1,6	X	X	X		3-1244190 through 3-1244143	SW-6	11-2-93/1025	KH	MCJX24	—

Shipment for Case complete? (Y/N): N

Page 1 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures: [signature] Kenneth [signature]

Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michele A. Morco	11-2-93 1800				
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 Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

PAGE 1 OF 4

EPA SAMPLE SHIPPING LOG

(1) (REQUIRED FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM)

MD | ESI

PROJECT SITE NAME: Hoffman Landfill ; EPA PROJ. OFFICER: MICHAEL TAURINO
RAS NO. 21162 ; SAS NO. – ; TASK NO. –
PROJECT SITE LEADER: JENNIFER PEARSON ; PHONE NO. (410) 631-3493
PROJECT SAMPLE COORDINATOR: MICHELE MOSCO ; PHONE NO. (410) 631-3465

SAS REQUEST (DETAILS REQUIRED) (10)

QC SAMPLE INFORMATION AND/OR COMMENTS (2)	CONC. (LOW/MED./HIGH) (3)	SAMPLE PHASE (AQ/SOL.) (4)	TYPE OF REQUEST (ORG. DIO. OR INOR.) SAS (5)	EPA SAMPLE NO. (6)	ORGANICS OR INORGANICS: LAB NAME (7)	DATE SHIPPED (8)	DATA RECEIVED (XX-OUT ITEMS NOT REQUESTED): VOA	BNA	PEST	TCDD (9)	METALS	CN	LAB NAME (11)	SAS REQUEST (ITEMIZE) (12)	DATE SHIPPED (13)	DATA REC'D.
	LOW	AQ	ORG	CJW 19	ABB	11-2-93	✓	✓	✓							
				CJW 20			✓	✓	✓							
DUP OF CJW 27				CJW 21			✓	✓	✓							
				CJW 22			✓	✓	✓							
				CJW 23			✓	✓	✓							
				CJW 24			✓	✓	✓							
				CJW 25			✓	✓	✓							
				CJW 26			✓	✓	✓							
DUP OF CJW 21				CJW 27			✓	✓	✓							
FIELD BLANK				CJW 28		↓	✓	✓	✓							
				CJW 15		11-3-93	✓	✓	✓							
				CJW 16			✓	✓	✓							
MATRIX SPIKE				CJW 18			✓	✓	✓							
TRIP BLANK	↓	↓	↓	CJW 29	↓	↓	✓	X	X							

rec'd 1/21/94 [illegible]

ORIGINAL (Red)

FINAL SAMPLING

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	CJW19	94	100	104		0
02	CJW19MS	96	104	130*		1
03	CJW19MSD	100	106	94		0
04	CJW20	102	108	98		0
05	CJW21	100	106	98		0
06	CJW22	98	110	96		0
07	CJW23	98	108	96		0
08	CJW24	90	98	106		0
09	VBLK04	90	100	88		0
10	VBLK06	100	104	94		0
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM II VOA-1 3/90

EPA

[redacted] Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22[redacted]
703-557-2490 FTS 557-249[redacted]

[redacted] Organic [redacted] & Chain of Custody [redacted]cord

(For Organic CLP Analysis)

[redacted] No. (If applicable) [redacted] Case [redacted] 2116.2

1. Sample Description (Enter in Column A)	2. Preservative (Enter in Column D)	3. Region No.	Sampling Co.	5. Date Shipped	Carrier	7. Date Received -- Received by ABB ENVIRONMENTAL
1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)	1. HCl 2. HNO3 3. NaHSO4 4. H_2SO_4 5. Other (Specify) 6. Ice only N. Not preserved	III	MDE / ERRP	11-2-93	Federal Express	110393 Lori A. Duff
		Sampler (Name): Ginny Sells		Airbill Number: 3250702210		Laboratory Contract Number: 68-D2-0025
		Sampler Signature: [signature]		6. Ship To: COAST TO COAST ANALYTICAL SERVICES, INC. 340 Country Road, #5 WESTBROOK ME 04092 (207) 874-2400 ATTN: WILLARD WARREN		8. Transfer to: 000012
		4. Type of Activity: Lead / Pre-Remedial / Remedial / Removal SF / PRP / ST / FED / PA / SSI / LSI / RIFS / RD / RA / O&M / NPLD / CLEM / REMA / REM / OIL / UST				Date Received
						Received by
						Contract Number / Price

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water - Mis Liq.	Non Water - Mis Liq.
CJW01	5	L	G	6	X	X	X		3-1244101 through 3-1244103	Source 1	11-2-93/1140	[illegible]	MCJX01	COOL INTACT			
CJW02	5	L	G	6	X	X	X		3-1244104 through 3-1244106	Source 2	11-2-93/1120	[illegible]	MCJX02				
CJW03	5	L	G	6	X	X	X		3-1244107 through 3-1244109	Source 3	11-2-93/0945	[illegible]	MCJX03				
CJW04	5	L	G	6	X	X	X		3-1244110 through 3-1244112	Source 4	11-2-93/0905	[illegible]	MCJX04				
CJW05	5	L	G	6	X	X	X		3-1244113 through 3-1244118	Source 5	11-2-93/1200	[illegible]	MCJX05				
CJW06	5	L	G	6	X	X	X		3-1244119 through 3-1244121	SED-1	11-2-93/0830	VR	MCJX06				
CJW07	5	L	G	6	X	X	X		3-1244122 through 3-1244124	SED-2	11-2-93/0910	VR	MCJX07				
CJW08	5	L	G	6	X	X	X		3-1244125 through 3-1244127	SED-3	11-2-93/1122	VR	MCJX08				
CJW09	5	L	G	6	X	X	X		3-1244128 through 3-1244130	SED-4	11-2-93/1022	VR	MCJX09				
CJW10	5	L	G	6	X	X	X		3-1244131 through 3-1244133	SED 5	11-2-93/0900	[illegible]	MCJX10				

Shipment for Case complete? (Y/N)	Page 1 of 1	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
N		DO QC on CJW05	[signature]	

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	11-2-93 1800				
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) Lori A. Duff	Date / Time SDG: CJW01 110393 1010	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

0339533

ORIGINAL (Red)

Org-2

ORIGINAL (Red)

2E
WATER PESTICIDE SURROGATE RECOVERY

ne:ABB-ME Contract:68-D2-0025

Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Column(1):DB608 ID: 0.53 (mm) GC Column(2):RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CJW19	130	115	145	140			0
02	CJW20	80	70	85	90			0
03	CJW22	85	80	85	85			0
04	CJW23	85	80	75	75			0
05	PBLKNC	80	75	85	90			0
06	PIBLKNA	110	110	80	80			0
07	PIBLKNB	140	140	100	100			0
08	PIBLKNC	115	115	85	85			0
09	PIBLKND	115	115	80	80			0
10	PIBLKNE	115	110	80	80			0
11	PIBLKNF	135	130	95	95			0
12	PIBLKNG	135	130	70	85			0
13	PIBLKNH	130	125	85	85			0
14	PIBLKNI	135	130	90	90			0
15	CJW20MS	36*	36*	50*	55*			4
16	CJW20MSD	55*	55*	55*	55*			4
17	CJW21	100	95	125	115			0
18	CJW24	90	85	110	95			0
19	PBLKPA	120	160*	180*	145			2
20	PBLKPC	46*	47*	85	75			2
21	PIBLKPA	90	95	70	75			0
22	PIBLKPB	95	95	90	80			0
23	PIBLKPC	90	90	75	80			0
24	PIBLKPD	85	85	70	70			0
25	PIBLKPE	80	80	70	70			0
26	PIBLKPF	85	85	65	70			0
27	PIBLKPG	75	75	60	55*			1
28								
29								
30								

ADVISORY QC LIMITS

TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II PEST-1 3/90

001526

ORIGINAL (Red)

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	CJW01	127	78	99		0
02	CJW01RE	141*	68	88		1
03	CJW02	119	81	93		0
04	CJW02RE	124	83	95		0
05	CJW03	122	86	101		0
06	CJW04	137	84	88		0
07	CJW04RE	125	88	91		0
08	CJW05	110	90	94		0
09	CJW05MS	100	94	94		0
10	CJW05MSD	102	92	96		0
11	CJW06	122	82	101		0
12	CJW07	121	83	87		0
13	CJW08	111	85	99		0
14	CJW09	137	72	86		0
15	CJW09RE	118	78	95		0
16	CJW10	115	86	95		0
17	CJW11	117	81	94		0
18	CJW12	105	99	96		0
19	CJW13	110	89	100		0
20	CJW14	124	81	98		0
21	VBLK01	108	102	98		0
22	VBLK02	100	102	92		0
23	VBLK03	96	100	100		0
24	VBLK05	102	100	96		0
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000015

FORM II VOA-2 3/90

ORIGINAL (Red)

WATER PESTICIDE SURROGATE RECOVERY

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

GC Column(1):DB608 ID: 0.53 (mm) GC Column(2):RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CJW15	70	70	80	75			0
02	CJW16	65	65	75	80			0
03	CJW18	46*	47*	70	70			2
04	CJW18MS	39*	37*	50*	48*			4
05	CJW18MSD	50*	50*	65	65			2
06	CJW25	75	70	85	70			0
07	CJW26	80	80	85	70			0
08	CJW27	80	80	90	85			0
09	CJW28	85	80	95	90			0
10	PBLKPA	120	160*	180*	145			2
11	PBLKPB	50*	55*	95	90			2
12	PIBLKPA	90	95	70	75			0
13	PIBLKPB	95	95	90	80			0
14	PIBLKPC	90	90	75	80			0
15	PIBLKPD	85	85	70	70			0
16	PIBLKPE	80	80	70	70			0
17	PIBLKPF	85	85	65	70			0
18	PIBLKPG	75	75	60	55*			1
19	PIBLKPH	85	85	65	70			0
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30								

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II PEST-1 3/90

100630
JB 1-11-94

ORIGINAL (Red)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

GC Column(1):DB608 ID: 0.53 (mm) GC Column(2):RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CKW92	62	63	77	83			0
02	CKW92MS	59*	58*	77	89			2
03	CKW92MSD	55*	58*	77	77			2
04	PBLKPD	83	83	98	90			0
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	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II PEST-2 3/90

000631

ORIGINAL (Red)

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID (Standard):Y9062 Date Analyzed:11/08/93

Instrument ID:5970 Time Analyzed:2223

GC Column:RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	18629	8.36	72875	10.90	64547	15.89
	UPPER LIMIT	37258	8.86	145750	11.40	129094	16.39
	LOWER LIMIT	9314	7.86	36437	10.40	32273	15.39
	EPA SAMPLE NO.						
01	VBLK01	14377	8.34	59441	10.91	47672	15.85
02	CJW05	16404	8.27	66239	10.86	47992	15.85
03	CJW01	10606	8.32	39266	10.88	23044*	15.85
04	CJW02	9220*	8.32	32553*	10.88	20423*	15.85
05	CJW03	14113	8.34	64406	10.90	44843	15.85
06	CJW04	10786	8.30	36887	10.88	19798*	15.85
07							
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19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000033

FORM VIII VOA 3/90

ORIGINAL (Red)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

GC Column(1):DB608 ID: 0.53 (mm) GC Column(2):RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CJW01	77	77	89	83			0
02	CJW02	69	60	69	62			0
03	CJW03	120	126	150	138			0
04	CJW04	66	66	79	79			0
05	CJW05	111	111	125	133			0
06	CJW05MS	63	64	68	74			0
07	CJW05MSD	71	70	81	81			0
08	CJW06	71	76	99	85			0
09	CJW07	72	78	78	78			0
10	CJW08	74	74	57*	69			1
11	CJW09	75	81	75	81			0
12	CJW10	78	78	100	74			0
13	CJW11	61	67	73	67			0
14	CJW12	55*	56*	61	56*			3
15	CJW13	58*	54*	62	62			2
16	CJW14	72	72	95	72			0
17	PBLKPD	83	83	98	90			0
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II PEST-2 3/90

001527

ORIGINAL (Red)

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID (Standard):Y9099 Date Analyzed:11/09/93

Instrument ID:5970 Time Analyzed:2052

GC Column:RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	17144	8.29	68381	10.88	57009	15.86
	UPPER LIMIT	34288	8.79	136762	11.38	114018	16.36
	LOWER LIMIT	8572	7.79	34190	10.38	28504	15.36
	EPA SAMPLE NO.						
01	VBLK03	17267	8.31	73530	10.90	62100	15.87
02	CJW08	14602	8.32	63680	10.90	43833	15.86
03	CJW09RE	11383	8.30	45583	10.89	27136*	15.86
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000035

ORIGINAL
(Red)

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID (Standard):Y9078 Date Analyzed:11/09/93

Instrument ID:5970 Time Analyzed:0830

GC Column:RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	22016	8.28	89902	10.86	75483	15.83
	UPPER LIMIT	44032	8.78	179804	11.36	150966	16.33
	LOWER LIMIT	11008	7.78	44951	10.36	37741	15.33
	EPA SAMPLE NO.						
01	VBLK02	25763	8.28	107021	10.86	81804	15.83
02	CJW01RE	7646*	8.28	25672*	10.87	11813*	15.82
03	CJW02RE	12255	8.28	44031*	10.87	24154*	15.85
04	CJW04RE	12221	8.31	44049*	10.88	25827*	15.84
05	CJW05MS	18382	8.30	74665	10.89	58927	15.85
06	CJW05MSD	20061	8.30	80108	10.86	60866	15.84
07	CJW06	16651	8.31	70164	10.86	42017	15.84
08	CJW07	13382	8.24	67065	10.82	38492	15.83
09	CJW09	4319*	8.24	35363*	10.85	18240*	15.83
10	CJW10	14579	8.27	65956	10.85	43236	15.83
11	CJW12	20546	8.31	90667	10.89	67864	15.84
12	CJW13	14627	8.30	63835	10.88	44115	15.85
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA 3/90

8C

ORIGINAL (Red)

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID: (Standard):B5000 Date Analyzed:12/07/93

Instrument ID:MS2 Time Analyzed:1058

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	47279	29.16	56104	40.17	48804	45.62
UPPER LIMIT	94558	29.66	112208	40.67	97608	46.12
LOWER LIMIT	23639	28.66	28052	39.67	24402	45.12
EPA SAMPLE NO.						
01 CJW04	64393	29.16	47957	40.17	25474	45.60
02 CJW05	68462	29.15	93382	40.15	93245	45.61
03 CJW05MS	70000	29.16	70593	40.14	61266	45.59
04 CJW05MSD	91758	29.16	121907*	40.15	105993*	45.60
05 CJW06	86165	29.16	73297	40.14	33463	45.57
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000531

ORIGINAL (Red)

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Lab File ID (Standard):Y9154 Date Analyzed:11/11/93

Instrument ID:5970 Time Analyzed:1042

GC Column:RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	25061	8.26	98424	10.84	81033	15.83
	UPPER LIMIT	50122	8.76	196848	11.34	162066	16.33
	LOWER LIMIT	12530	7.76	49212	10.34	40516	15.33
	EPA SAMPLE NO.						
01	VBLK03	28564	8.28	118032	10.87	91879	15.83
02	CKW92	22486	8.25	83296	10.83	48706	15.83
03	CKW92MSD	13890	8.27	52193	10.87	32621*	15.82
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID: (Standard):B5019 Date Analyzed:12/08/93

Instrument ID:MS2 Time Analyzed:1020

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	76705	29.13	91048	40.13	62724	45.56
UPPER LIMIT	153410	29.63	182096	40.63	125448	46.06
LOWER LIMIT	38352	28.63	45524	39.63	31362	45.06
EPA SAMPLE NO.						
CJW08RE	117862	29.13	50643	40.13	16275*	45.56
02 CJW09RE	119985	29.15	79455	40.13	25402*	45.57
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22						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

000535

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab File ID: (Standard):B5008 Date Analyzed:12/07/93

Instrument ID:MS2 Time Analyzed:2020

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	57778	29.14	69015	40.14	50723	45.59
	UPPER LIMIT	115556	29.64	138030	40.64	101446	46.09
	LOWER LIMIT	28889	28.64	34507	39.64	25361	45.09
	EPA SAMPLE NO.						
01	CJW07	77889	29.13	74642	40.13	35057	45.56
02	CJW08	79461	29.14	33701*	40.13	11776*	45.58
03	CJW09	79700	29.15	51011	40.12	17342*	45.57
04	SBLK05	83497	29.15	89463	40.12	39673	45.57
05	CJW10	90550	29.14	84832	40.13	34304	45.57
06	CJW11	100946	29.15	95990	40.13	35888	45.57
07	CJW12	94488	29.14	91645	40.14	31736	45.57
08	CJW13	98485	29.14	88486	40.13	30773	45.57
09	CJW14	104201	29.14	56932	40.14	16488*	45.58
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2 3/90

ORIGINAL (Red)

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix Spike - EPA Sample No.: CJW19 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75.	0.	71.	95*	12- 89
2-Chlorophenol	75.	0.	78.	104	27-123
1,4-Dichlorobenzene	50.	0.	35.	70	36- 97
N-Nitroso-di-n-prop.(1)	50.	0.	47.	94	41-116
1,2,4-Trichlorobenzene	50.	0.	34.	68	39- 98
4-Chloro-3-methylphenol	75.	0.	68.	91	23- 97
Acenaphthene	50.	0.	44.	88	46-118
4-Nitrophenol	75.	0.	82.	109*	10- 80
2,4-Dinitrotoluene	50.	0.	45.	90	24- 96
Pentachlorophenol	75.	0.	85.	113*	9-103
Pyrene	50.	0.	53.	106	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.	70.	93*	2	42	12- 89
2-Chlorophenol	75.	77.	103	1	40	27-123
1,4-Dichlorobenzene	50.	33.	66	6	28	36- 97
N-Nitroso-di-n-prop.(1)	50.	46.	92	2	38	41-116
1,2,4-Trichlorobenzene	50.	32.	64	6	28	39- 98
4-Chloro-3-methylphenol	75.	68.	91	0	42	23- 97
Acenaphthene	50.	46.	92	4	31	46-118
4-Nitrophenol	75.	88.	117*	7	50	10- 80
2,4-Dinitrotoluene	50.	47.	94	4	38	24- 96
Pentachlorophenol	75.	93.	124*	9	50	9-103
Pyrene	50.	54.	108	2	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 6 out of 22 outside limits

COMMENTS:

000506

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix Spike - EPA Sample No.: CKW92 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2900.	0.	2000.	69	26- 90
2-Chlorophenol	2900.	0.	2100.	72	25-102
1,4-Dichlorobenzene	2000.	0.	1100.	55	28-104
N-Nitroso-di-n-prop.(1)	2000.	0.	1400.	70	41-126
1,2,4-Trichlorobenzene	2000.	0.	1300.	65	38-107
4-Chloro-3-methylphenol	2900.	0.	2200.	76	26-103
Acenaphthene	2000.	0.	1300.	65	31-137
4-Nitrophenol	2900.	0.	2800.	96	11-1[illegible]
2,4-Dinitrotoluene	2000.	0.	1400.	70	28-[illegible]
Pentachlorophenol	2900.	0.	2800.	96	17-109
Pyrene	2000.	0.	1500.	75	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2900.	2200.	76	10	35	26- 90
2-Chlorophenol	2900.	2200.	76	5	50	25-102
1,4-Dichlorobenzene	2000.	1200.	60	9	27	28-104
N-Nitroso-di-n-prop.(1)	2000.	1500.	75	7	38	41-126
1,2,4-Trichlorobenzene	2000.	1500.	75	14	23	38-107
4-Chloro-3-methylphenol	2900.	2200.	76	0	33	26-103
Acenaphthene	2000.	1600.	80	21*	19	31-1[illegible]
4-Nitrophenol	2900.	2600.	90	6	50	11-1[illegible]
2,4-Dinitrotoluene	2000.	1400.	70	0	47	28- 89
Pentachlorophenol	2900.	3800.	131*	31	47	17-109
Pyrene	2000.	1300.	65	14	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS:

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix Spike - EPA Sample No.: CJW18 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75.	0.	60.	80	12- 89
2-Chlorophenol	75.	0.	62.	83	27-123
1,4-Dichlorobenzene	50.	0.	29.	58	36- 97
N-Nitroso-di-n-prop.(1)	50.	0.	38.	76	41-116
1,2,4-Trichlorobenzene	50.	0.	33.	66	39- 98
4-Chloro-3-methylphenol	75.	0.	61.	81	23- 97
Acenaphthene	50.	0.	38.	76	46-118
4-Nitrophenol	75.	0.	64.	85*	10- 80
2,4-Dinitrotoluene	50.	0.	41.	82	24- 96
Pentachlorophenol	75.	0.	47.	63	9-103
Pyrene	50.	0.	42.	84	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.	60.	80	0	42	12- 89
2-Chlorophenol	75.	62.	83	0	40	27-123
1,4-Dichlorobenzene	50.	30.	60	3	28	36- 97
N-Nitroso-di-n-prop.(1)	50.	40.	80	5	38	41-116
1,2,4-Trichlorobenzene	50.	37.	74	11	28	39- 98
4-Chloro-3-methylphenol	75.	66.	88	8	42	23- 97
Acenaphthene	50.	45.	90	17	31	46-118
4-Nitrophenol	75.	70.	93*	9	50	10- 80
2,4-Dinitrotoluene	50.	44.	88	7	38	24- 96
Pentachlorophenol	75.	53.	71	12	50	9-103
Pyrene	50.	49.	98	15	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

ORIGINAL

WATER PESTICIDE MATRIX SPIKE MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW25

Matrix Spike - EPA Sample No.: CJW18

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.0	0.29	58	56-123
Heptachlor	0.50	0.0	0.23	46	40-131
Aldrin	0.50	0.0	0.21	42	40-120
Dieldrin	1.0	0.0	0.70	70	52-126
Endrin	1.0	0.0	0.69	69	56-121
4,4'-DDT	1.0	0.0	0.73	73	38-1[illegible]

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.41	82	34*	15	56-123
Heptachlor	0.50	0.33	66	36*	20	40-131
Aldrin	0.50	0.31	62	38*	22	40-120
Dieldrin	1.0	1.0	100	35*	18	52-126
Endrin	1.0	1.0	100	37*	21	56-121
4,4'-DDT	1.0	1.1	110	40*	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

000632

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix Spike - EPA Sample No.: CJW05 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2600.	0.	1700.	65	26- 90
2-Chlorophenol	2600.	0.	1700.	65	25-102
1,4-Dichlorobenzene	1700.	0.	720.	42	28-104
N-Nitroso-di-n-prop.(1)	1700.	0.	1100.	65	41-126
1,2,4-Trichlorobenzene	1700.	0.	900.	53	38-107
4-Chloro-3-methylphenol	2600.	0.	1700.	65	26-103
Acenaphthene	1700.	0.	1200.	70	31-137
4-Nitrophenol	2600.	0.	1600.	61	11-114
2,4-Dinitrotoluene	1700.	0.	1100.	65	28- 89
Pentachlorophenol	2600.	0.	1500.	58	17-109
Pyrene	1700.	0.	1200.	70	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2600.	1400.	54	18	35	26- 90
2-Chlorophenol	2600.	1400.	54	18	50	25-102
1,4-Dichlorobenzene	1700.	690.	40	5	27	28-104
N-Nitroso-di-n-prop.(1)	1700.	900.	53	20	38	41-126
1,2,4-Trichlorobenzene	1700.	850.	50	6	23	38-107
4-Chloro-3-methylphenol	2600.	1400.	54	18	33	26-103
Acenaphthene	1700.	790.	46	41*	19	31-137
4-Nitrophenol	2600.	1400.	54	12	50	11-114
2,4-Dinitrotoluene	1700.	770.	45	36	47	28- 89
Pentachlorophenol	2600.	1600.	61	5	47	17-109
Pyrene	1700.	730.	43	48*	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

L050000

ORIGINAL (Red)

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix Spike - EPA Sample No.: CJW18

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.0	0.29	58	56-123
Heptachlor	0.50	0.0	0.23	46	40-131
Aldrin	0.50	0.0	0.21	42	40-120
Dieldrin	1.0	0.0	0.70	70	52-126
Endrin	1.0	0.0	0.69	69	56-121
4,4'-DDT	1.0	0.0	0.73	73	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.41	82	34*	15	56-123
Heptachlor	0.50	0.33	66	36*	20	40-131
Aldrin	0.50	0.31	62	38*	22	40-120
Dieldrin	1.0	1.0	100	35*	18	52-126
Endrin	1.0	1.0	100	37*	21	56-121
4,4'-DDT	1.0	1.1	110	40*	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

000032

ORIGINAL (Red)

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No.: 21162 SAS No.: SDG No.: CJW01

Matrix Spike - EPA Sample No.: CJW20

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.0	0.0	0*	56-123
Heptachlor	0.50	0.0	0.0	0*	40-131
Aldrin	0.50	0.0	0.0	0*	40-120
Dieldrin	1.0	0.0	0.0	0*	52-126
Endrin	1.0	0.0	0.0	0*	56-121
4,4'-DDT	1.0	0.0	0.0	0*	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.34	68	200*	15	56-123
Heptachlor	0.50	0.32	64	200*	20	40-131
Aldrin	0.50	0.28	56	200*	22	40-120
Dieldrin	1.0	0.75	75	200*	18	52-126
Endrin	1.0	0.85	85	200*	21	56-121
4,4'-DDT	1.0	0.82	82	200*	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 6 out of 12 outside limits

COMMENTS:

001528

ORIGINAL (Red)

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

CJW04

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW04 Date(s) Analyzed:12/17/93 12/17/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 ID: 0.53 (mm) GC Column(2):RTX-1701 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	11.26	11.23	11.37	60.		
	2	13.05	12.98	13.12	36.		
	3	14.55	14.50	14.64	79.		
	4	15.24	15.17	15.31	55.		
	5	15.85	15.81	15.95	390.	120.	
COLUMN 2	1	13.10	13.03	13.17	36.		
	2	14.91	14.84	14.98	60.		
	3	15.47	15.40	15.54	66.		
	4	16.27	17.24	17.38	82.		
	5	18.93	18.87	19.01	73.	63.	90.5
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

FORM X PEST-2 3/90

001798

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CJW14

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW14 Date(s) Analyzed:12/18/93 12/18/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.87	15.81	15.91	8.1	
	2	16.45	16.35	16.45	5.2	55.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

00179S

ORIGINAL (Red)

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CJW09

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW09 Date(s) Analyzed:12/18/93 12/18/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.88	15.81	15.91	9.8	
	2	16.44	16.35	16.45	3.5	180.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

001794

ORIGINAL

EPA SAMPLE NO.

CJW08

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW08 Date(s) Analyzed:12/17/93 12/17/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.87	15.81	15.91	8.3	
	2	16.43	16.35	16.45	3.5	137.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

001793

ORIGINAL (Red)

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CJW01

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW01 Date(s) Analyzed:12/17/93 12/17/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.86	15.81	15.91	13.	
	2	16.41	16.35	16.45	4.3	202.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

001788

ORIGINAL

10A
PESTICIDE IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CJW02

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW02 Date(s) Analyzed:12/17/93 12/17/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.87	15.81	15.91	4.8	
	2	16.43	16.35	16.45	2.2	118.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

001789

ORIGINAL (Red)

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CJW03

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Lab Sample ID :CJW03 Date(s) Analyzed:12/17/93 12/17/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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	15.85	15.81	15.91	11.	
	2	16.40	16.35	16.45	3.4	223.5
Heptachlor epoxide	1	18.23	18.13	18.27	4.9	
	2	19.19	19.08	19.22	2.2	122.7
Dieldrin	1	20.89	20.83	20.97	20.	
	2	21.63	21.56	21.70	14.	42.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

001190

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

ORIGINAL
EPA SAMPLE NO.

CKW92MSD

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Lab Sample ID :CKW92MSD Date(s) Analyzed:12/18/93 12/18/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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-BHC(Lindane)	1	13.15	13.07	13.17	16.	
	2	14.53	14.45	14.55	14.	14.3
Heptachlor	1	14.52	14.44	14.54	13.	
	2	15.35	15.28	15.38	14.	7.7
Aldrin	1	15.89	15.81	15.91	21.	
	2	16.43	16.35	16.45	14.	50.0
Dieldrin	1	20.92	20.83	20.97	35.	
	2	21.66	21.56	21.70	34.	2.9
Endrin	1	22.41	22.32	22.46	38.	
	2	22.50	22.40	22.54	35.	8.6
,4'-DDT	1	24.04	23.94	24.08	41.	
	2	24.64	24.55	24.69	36.	13.9
	1					
	2					
	1					
	2					

FORM X PEST-1

3/90

000145

ORIGINAL (Red)

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

CKW92MS

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Lab Sample ID :CKW92MS Date(s) Analyzed:12/18/93 12/18/93

Instrument ID (1):H58903 Instrument ID (2):H58903

GC Column(1):DB608 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-BHC(Lindane)	1	13.14	13.07	13.17	15.	
	2	14.52	14.45	14.55	13.	15.4
Heptachlor	1	14.51	14.44	14.54	12.	
	2	15.34	15.28	15.38	13.	8.3
Aldrin	1	15.88	15.81	15.91	21.	
	2	16.42	16.35	16.45	13.	61.5
Dieldrin	1	20.92	20.83	20.97	33.	
	2	21.65	21.56	21.70	32.	3.1
Endrin	1	22.41	22.32	22.46	35.	
	2	22.49	22.40	22.54	32.	9.4
4,4'-DDT	1	24.03	23.94	24.08	39.	
	2	24.64	24.55	24.69	33.	18.2
	1					
	2					
	1					
	2					

FORM X PEST-1

000144

3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL

CJW05MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9087

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9087

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 2 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	7.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	46.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	46.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	46.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	49.	
108-90-7	Chlorobenzene	48.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5160

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5160

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.	J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	4.	JB
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	46.	B
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	41.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	38.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	50.	B
108-90-7	Chlorobenzene	52.	B
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9088

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9088

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 2 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	8.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	52.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	54.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	55.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	58.	
108-90-7	Chlorobenzene	56.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

ORIGINAL (Red)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9193

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9193

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	36.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	45.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	44.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	43.	
108-90-7	Chlorobenzene	44.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

000096

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW18MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9204

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9204

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	32.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	44.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	43.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	42.	
108-90-7	Chlorobenzene	44.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9103

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/10/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	4.	JB
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	56.	
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	58.	
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	58.	
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	62.	
108-90-7	Chlorobenzene	59.	
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CJW18MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9205

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9205

Level: (low/med) LOW Date Received:11/04/93

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	31.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	43.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	43.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	40.	
108-90-7	Chlorobenzene	40.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9159

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9159

Level: (low/med) LOW Date Received:11/03/93

% Moisture: not dec. 15 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	4.	JB
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	46.	
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	47.	
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	55.	
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	61.	
108-90-7	Chlorobenzene	50.	
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CJW05MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5003

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5003

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1700.	
111-44-4	bis(2-Chloroethyl)ether	340.	U
95-57-8	2-Chlorophenol	1700.	
541-73-1	1,3-Dichlorobenzene	340.	U
106-46-7	1,4-Dichlorobenzene	720.	
95-50-1	1,2-Dichlorobenzene	340.	U
95-48-7	2-Methylphenol	340.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340.	U
106-44-5	4-Methylphenol	340.	U
621-64-7	N-Nitroso-di-n-propylamine	1100.	
67-72-1	Hexachloroethane	340.	U
98-95-3	Nitrobenzene	340.	U
78-59-1	Isophorone	340.	U
88-75-5	2-Nitrophenol	340.	U
105-67-9	2,4-Dimethylphenol	340.	U
111-91-1	bis(2-Chloroethoxy)methane	340.	U
120-83-2	2,4-Dichlorophenol	340.	U
120-82-1	1,2,4-Trichlorobenzene	900.	
91-20-3	Naphthalene	340.	U
106-47-8	4-Chloroaniline	340.	U
87-68-3	Hexachlorobutadiene	340.	U
59-50-7	4-Chloro-3-methylphenol	1700.	
91-57-6	2-Methylnaphthalene	340.	U
77-47-4	Hexachlorocyclopentadiene	340.	U
88-06-2	2,4,6-Trichlorophenol	340.	U
95-95-4	2,4,5-Trichlorophenol	820.	U
91-58-7	2-Chloronaphthalene	340.	U
88-74-4	2-Nitroaniline	820.	U
131-11-3	Dimethylphthalate	340.	U
208-96-8	Acenaphthylene	340.	U
606-20-2	2,6-Dinitrotoluene	340.	U
99-09-2	3-Nitroaniline	820.	U
83-32-9	Acenaphthene	1200.	

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5003

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5003

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820.	U
100-02-7	4-Nitrophenol	1600.	
132-64-9	Dibenzofuran	340.	U
121-14-2	2,4-Dinitrotoluene	1100.	
84-66-2	Diethylphthalate	340.	U
7005-72-3	4-Chlorophenyl-phenylether	340.	U
86-73-7	Fluorene	340.	U
100-01-6	4-Nitroaniline	820.	U
534-52-1	4,6-Dinitro-2-methylphenol	820.	U
86-30-6	N-Nitrosodiphenylamine (1)	340.	U
101-55-3	4-Bromophenyl-phenylether	340.	U
118-74-1	Hexachlorobenzene	340.	U
87-86-5	Pentachlorophenol	1500.	
85-01-8	Phenanthrene	340.	U
120-12-7	Anthracene	340.	U
86-74-8	Carbazole	340.	U
84-74-2	Di-n-butylphthalate	42.	JB
206-44-0	Fluoranthene	340.	U
129-00-0	Pyrene	1200.	
85-68-7	Butylbenzylphthalate	340.	U
91-94-1	3,3'-Dichlorobenzidine	340.	U
56-55-3	Benzo(a)anthracene	340.	U
218-01-9	Chrysene	340.	U
117-81-7	bis(2-Ethylhexyl)phthalate	110.	JB
117-84-0	Di-n-octylphthalate	340.	U
205-99-2	Benzo(b)fluoranthene	340.	U
207-08-9	Benzo(k)fluoranthene	340.	U
50-32-8	Benzo(a)pyrene	340.	U
193-39-5	Indeno(1,2,3-cd)pyrene	340.	U
53-70-3	Dibenz(a,h)anthracene	340.	U
191-24-2	Benzo(g,h,i)perylene	340.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4961

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4961

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	71.	
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	78.	
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	35.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	47.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	34.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	68.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	0.3	J
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	44.	

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4961

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4961

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	82.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	45.	
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	85.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	53.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	14.	B
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5004

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5004

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400.	
111-44-4	bis(2-Chloroethyl)ether	340.	U
95-57-8	2-Chlorophenol	1400.	
541-73-1	1,3-Dichlorobenzene	340.	U
106-46-7	1,4-Dichlorobenzene	690.	
95-50-1	1,2-Dichlorobenzene	340.	U
95-48-7	2-Methylphenol	340.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340.	U
106-44-5	4-Methylphenol	340.	U
621-64-7	N-Nitroso-di-n-propylamine	900.	
67-72-1	Hexachloroethane	340.	U
98-95-3	Nitrobenzene	340.	U
78-59-1	Isophorone	340.	U
88-75-5	2-Nitrophenol	340.	U
105-67-9	2,4-Dimethylphenol	340.	U
111-91-1	bis(2-Chloroethoxy)methane	340.	U
120-83-2	2,4-Dichlorophenol	340.	U
120-82-1	1,2,4-Trichlorobenzene	850.	
91-20-3	Naphthalene	340.	U
106-47-8	4-Chloroaniline	340.	U
87-68-3	Hexachlorobutadiene	340.	U
59-50-7	4-Chloro-3-methylphenol	1400.	
91-57-6	2-Methylnaphthalene	340.	U
77-47-4	Hexachlorocyclopentadiene	340.	U
88-06-2	2,4,6-Trichlorophenol	340.	U
95-95-4	2,4,5-Trichlorophenol	820.	U
91-58-7	2-Chloronaphthalene	340.	U
88-74-4	2-Nitroaniline	820.	U
131-11-3	Dimethylphthalate	340.	U
208-96-8	Acenaphthylene	340.	U
606-20-2	2,6-Dinitrotoluene	340.	U
99-09-2	3-Nitroaniline	820.	U
83-32-9	Acenaphthene	790.	

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5004

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5004

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 2 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820.	U
100-02-7	4-Nitrophenol	1400.	
132-64-9	Dibenzofuran	340.	U
121-14-2	2,4-Dinitrotoluene	770.	
84-66-2	Diethylphthalate	23.	J
7005-72-3	4-Chlorophenyl-phenylether	340.	U
86-73-7	Fluorene	340.	U
100-01-6	4-Nitroaniline	820.	U
534-52-1	4,6-Dinitro-2-methylphenol	820.	U
86-30-6	N-Nitrosodiphenylamine (1)	340.	U
101-55-3	4-Bromophenyl-phenylether	340.	U
118-74-1	Hexachlorobenzene	340.	U
87-86-5	Pentachlorophenol	1600.	
85-01-8	Phenanthrene	340.	U
120-12-7	Anthracene	340.	U
86-74-8	Carbazole	340.	U
84-74-2	Di-n-butylphthalate	27.	JB
206-44-0	Fluoranthene	340.	U
129-00-0	Pyrene	730.	
85-68-7	Butylbenzylphthalate	340.	U
91-94-1	3,3'-Dichlorobenzidine	340.	U
56-55-3	Benzo(a)anthracene	340.	U
218-01-9	Chrysene	340.	U
117-81-7	bis(2-Ethylhexyl)phthalate	170.	JB
117-84-0	Di-n-octylphthalate	340.	U
205-99-2	Benzo(b)fluoranthene	340.	U
207-08-9	Benzo(k)fluoranthene	340.	U
50-32-8	Benzo(a)pyrene	340.	U
193-39-5	Indeno(1,2,3-cd)pyrene	340.	U
53-70-3	Dibenz(a,h)anthracene	340.	U
191-24-2	Benzo(g,h,i)perylene	340.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4962

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4962

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	70.	
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	77.	
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	33.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	46.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	32.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	68.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	0.2	J
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	46.	

0015 7

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW19MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4962

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4962

Level: (low/med) LOW Date Received:11/03/93

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	88.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	47.	
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	93.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	54.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4972

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4972

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	60.	
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	62.	
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	29.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	38.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	33.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	61.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	38.	

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4972

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4972

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	64.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	41.	
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	47.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	42.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4975

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4975

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000.	
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	2100.	
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	1100.	
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	1400.	
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	1300.	
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	2200.	
91-57-6	2-Methylnaphthalene	26.	J
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	940.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	940.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	940.	U
83-32-9	Acenaphthene	1300.	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MS

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4975

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4975

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940.	U
100-02-7	4-Nitrophenol	2800.	
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	1400.	
84-66-2	Diethylphthalate	61.	J
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	940.	U
534-52-1	4,6-Dinitro-2-methylphenol	940.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	2800.	
85-01-8	Phenanthrene	33.	J
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	180.	JB
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	1500.	
85-68-7	Butylbenzylphthalate	76.	J
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	350.	J
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4973

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4973

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	60.	
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	62.	
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	30.	
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	40.	
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	37.	
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	66.	
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	45.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4973

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4973

Level: (low/med) LOW Date Received:11/04/93

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	70.	
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	44.	
84-66-2	Diethylphthalate	0.2	J
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	53.	
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	0.3	J
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	49.	
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.7	JB
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4992

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4992

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2200.	
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	2200.	
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	1200.	
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	1500.	
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	1500.	
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	2200.	
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	940.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	940.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	940.	U
83-32-9	Acenaphthene	1600.	

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MSD

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4992

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4992

Level: (low/med) LOW Date Received:11/03/93

% Moisture: 15 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/07/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940.	U
100-02-7	4-Nitrophenol	2600.	
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	1400.	
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	940.	U
534-52-1	4,6-Dinitro-2-methylphenol	940.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	3800.	
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	99.	JB
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	1300.	
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	330.	J
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MS

ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW18MS

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: ~~11/06/93~~ 11/08/93 KP 1/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.29	
76-44-8	Heptachlor	0.23	
309-00-2	Aldrin	0.21	
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.70	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.69	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.73	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MS

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) SOIL Lab Sample ID: CKW92MS

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	13.	
76-44-8	Heptachlor	12.	
309-00-2	Aldrin	13.	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	32.	
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	32.	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	33.	
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

010055

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW18MSD ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: CJW18MSD

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/04/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: ~~11/06/93~~ 11/08/93 KP 11/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.41	
76-44-8	Heptachlor	0.33	
309-00-2	Aldrin	0.31	
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	1.0	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	1.1	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKW92MSD

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water)SOIL Lab Sample ID: CKW92MSD

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SONC Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/18/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	14.	
76-44-8	Heptachlor	13.	
309-00-2	Aldrin	14.	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	34.	
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	35.	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	36.	
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

C01013

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MS

ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW05MS

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 2 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	12.	
76-44-8	Heptachlor	12.	
309-00-2	Aldrin	11.	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	27.	
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	27.	
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	28.	
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	34.	U
11104-28-2	Aroclor-1221	68.	U
11141-16-5	Aroclor-1232	34.	U
53469-21-9	Aroclor-1242	34.	U
12672-29-6	Aroclor-1248	34.	U
11097-69-1	Aroclor-1254	34.	U
11096-82-5	Aroclor-1260	34.	U

002380

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW20MS

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW20MS

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/09/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

002391

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW05MSD

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) SOIL Lab Sample ID: CJW05MSD

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 2 decanted: (Y/N) Y Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	14.	
76-44-8	Heptachlor	13.	
309-00-2	Aldrin	12.	P
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	31.	
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	34.	
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	35.	
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	34.	U
11104-28-2	Aroclor-1221	68.	U
11141-16-5	Aroclor-1232	34.	U
53469-21-9	Aroclor-1242	34.	U
12672-29-6	Aroclor-1248	34.	U
11097-69-1	Aroclor-1254	34.	U
11096-82-5	Aroclor-1260	34.	U

ORIGINAL (Red)

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CJW20MSD

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: CJW20MSD

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/03/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/09/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.34	
76-44-8	Heptachlor	0.32	
309-00-2	Aldrin	0.28	
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.75	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.85	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.82	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

VBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9065

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9065

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	9.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9065

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9065

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon Dioxide	1.89	36.	JN
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9079

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9079

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	13.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL
(Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9079

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9079

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon Dioxide	1.90	17.	JNB
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9102

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9102

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL
(Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9102

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9102

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon Dioxide	1.90	38.	JN
2.					
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5158

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5158

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	5.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:C5158

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5158

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	59-42-7	Benzenemethanol, 3-hydroxy-.	1.79	16.	JN
2.		dimethyl naphthalene	23.67	17.	J
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000426

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

VBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9155

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9155

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	4.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:Y9155

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9155

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon Dioxide	1.90	13.	JN
2.	50-07-9	N-(PENTAFLUOROBENZYLIDENE)-B	20.76	9.	JN
3.					
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30.					

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK06

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9192

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9192

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK06

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:Y9192

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9192

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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000430

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:C5158

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5158

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs Found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon dioxide	1.79	16.	JN
2.		Dimethyl naphthalene isomer	23.67	17.	J
3.					
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ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:C5158

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: C5158

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	5.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

000271

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

VBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9102

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9102

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

FORM I VOA

ORIGINAL

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9102

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9102

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/09/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon dioxide	1.90	38.	JN
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

VBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9155

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9155

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	4.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:Y9155

Sample wt/vol: 5.00 (g/ml) G Lab File ID: Y9155

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. 0 Date Analyzed:11/11/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-38-9	Carbon dioxide	1.90	13.	JN
2.	50-07-9	N-(PENTAFLUOROBENZYLIDENE)-B	20.76	9.	JN
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK04

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9192

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9192

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	1.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

000753

ORIGINAL
(Red)

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9192

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9192

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/12/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9220

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9220

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/13/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	3.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

ORIGINAL
(Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:Y9220

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: Y9220

Level: (low/med) LOW Date Received: / /

% Moisture: not dec. Date Analyzed:11/13/93

GC Column:RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

SBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4928

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4928

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL
(Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4928

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4928

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	8.	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

3/90

001436

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4928

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4928

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/04/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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ORIGINAL
(Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

001339

ORIGINAL

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	6.13	16.	JNA
2.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4960

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4960

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4960

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4960

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	4.	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

001112

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. (Red) ORIGINAL

SBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) WATER Lab Sample ID:B4960

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4960

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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ORIGINAL
(Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4988

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4988

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	800.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	800.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U
99-09-2	3-Nitroaniline	800.	U
83-32-9	Acenaphthene	330.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK04

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4988

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4988

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800.	U
100-02-7	4-Nitrophenol	800.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	800.	U
534-52-1	4,6-Dinitro-2-methylphenol	800.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	800.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
86-74-8	Carbazole	330.	U
84-74-2	Di-n-butylphthalate	23.	J
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	330.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	20.	J
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B4988

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4988

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

Number TICs Found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-Penten-2-one, 4-methyl-	4.99	180.	JN
2.	123-42-2	2-Pentanone, 4-hydroxy-4-met	6.28	16000.	JNA
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK05

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5013

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5013

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	800.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	800.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U
99-09-2	3-Nitroaniline	800.	U
83-32-9	Acenaphthene	330.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5013

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5013

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800.	U
100-02-7	4-Nitrophenol	800.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	800.	U
534-52-1	4,6-Dinitro-2-methylphenol	800.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	800.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
86-74-8	Carbazole	330.	U
84-74-2	Di-n-butylphthalate	36.	J
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	330.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	70.	J
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

3/90

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

SBLK05

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water) SOIL Lab Sample ID:B5013

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5013

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted: ~~11/10/93~~ 11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93 JCL 011494

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

Number TICs Found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.31	250.	J
2.	638-04-0	Cyclohexane, 1,3-dimethyl-,	4.51	95.	JN
3.	141-79-7	3-Penten-2-one, 4-methyl-	4.90	170.	JN
4.	123-42-2	2-Pentanone, 4-hydroxy-4-met	6.37	42000.	JNA
5.		Unknown	16.01	69.	J
6.		Unknown	44.56	73.	J
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ORIGINAL (Red)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK01

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4979

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4979

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/05/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/06/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	6.13	16.	JNA
2.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

SBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4963

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4963

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Napnthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenapnthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4963

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4963

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.8	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

SBLK02

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) WATER Lab Sample ID:B4963

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: B4963

Level: (low/med) LOW Date Received: / /

% Moisture: decanted: (Y/N) Date Extracted:11/07/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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ORIGINAL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4974

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4974

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	800.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	800.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U
99-09-2	3-Nitroaniline	800.	U
83-32-9	Acenaphthene	330.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

ORIGINAL (Red)

e:ABB-ES Contract:68-D2-0025

ABB Case No.:21162 SAS No.: SDG No.:CJW25

(soil/water) SOIL Lab Sample ID:B4974

/vol: 30.0 (g/ml) G Lab File ID: B4974

(low/med) LOW Date Received: / /

e: 0 decanted: (Y/N) N Date Extracted:11/11/93

rated Extract Volume: 500.0 (uL) Date Analyzed:12/04/93

Volume: 2.0 (uL) Dilution Factor: 1.0

anup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
28-5---------	2,4-Dinitrophenol	800.	U
-02-7--------	4-Nitrophenol	800.	U
4-9--------	Dibenzofuran	330.	U
4-2--------	2,4-Dinitrotoluene	330.	U
66-2---------	Diethylphthalate	330.	U
72-3-------	4-Chloropheny1-phenylether	330.	U
-7---------	Fluorene	330.	U
01-6--------	4-Nitroaniline	800.	U
-52-1--------	4,6-Dinitro-2-methylphenol	800.	U
-6---------	N-Nitrosodiphenylamine (1)	330.	U
5-3--------	4-Bromophenyl-phenylether	330.	U
-74-1--------	Hexachlorobenzene	330.	U
86-5---------	Pentachlorophenol	800.	U
-8---------	Phenanthrene	330.	U
7--------	Anthracene	330.	U
74---------	Carbazole	330.	U
74-2---------	Di-n-butylphthalate	35.	J
4-0---------	Fluoranthene	330.	U
00-0--------	Pyrene	330.	U
68-7---------	Butylbenzylphthalate	330.	U
-1---------	3,3'-Dichlorobenzidine	330.	U
-3---------	Benzo(a)anthracene	330.	U
-01-9--------	Chrysene	330.	U
-81-7--------	bis(2-Ethylhexyl)phthalate	71.	J
4-0--------	Di-n-octylphthalate	330.	U
9-2--------	Benzo(b)fluoranthene	330.	U
-08-9--------	Benzo(k)fluoranthene	330.	U
-8---------	Benzo(a)pyrene	330.	U
9-5--------	Indeno(1,2,3-cd)pyrene	330.	U
-3---------	Dibenz(a,h)anthracene	330.	U
-24-2--------	Benzo(g,h,i)perylene	330.	U

- Cannot be separated from Diphenylamine

000359

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK03

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B4974

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B4974

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/11/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/04/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

Number TICs Found: 4

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown, Silane	4.47	330.	J
2.	638-04-0	Cyclonexane, 1,3-dimethyl-,	4.67	71.	JN
3.	4127-47-3	Cyclopropane, 1,1,2,2-tetram	5.06	250.	JN
4.	123-42-2	2-Pentanone, 4-hydroxy-4-met	6.55	45000.	JNA
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK04

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B5022

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5022

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	800.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	800.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U
99-09-2	3-Nitroaniline	800.	U
83-32-9	Acenaphthene	330.	U

ORIGINAL (Red)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK04

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B5022

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5022

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800.	U
100-02-7	4-Nitrophenol	800.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	800.	U
534-52-1	4,6-Dinitro-2-methylphenol	800.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	800.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
86-74-8	Carbazole	330.	U
84-74-2	Di-n-butylphthalate	110.	J
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	330.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	97.	J
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK04

ORIGINAL (Red)

Lab Name:ABB-ES Contract:68-D2-0025

Lab Code:ABB Case No.:21162 SAS No.: SDG No.:CJW25

Matrix: (soil/water) SOIL Lab Sample ID:B5022

Sample wt/vol: 30.0 (g/ml) G Lab File ID: B5022

Level: (low/med) LOW Date Received: / /

% Moisture: 0 decanted: (Y/N) N Date Extracted:11/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed:12/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0

ber TICs Found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1000-49-3	Silane, butyltrimethyl-	4.31	730.	J
2.	141-79-7	3-Penten-2-one, 4-methyl-	4.89	240.	JN
3.	123-42-2	2-Pentanone, 4-hydroxy-4-met	6.24	18000.	JNA
4.		Unknown	44.56	100.	J
5.		Unknown	54.24	84.	J
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKPA

ORIGINAL

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: PBLKPA

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKPB ORIGINAL (Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) WATER Lab Sample ID: PBLKPB

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: ~~11/06/93~~ 11/08/93 KP 1/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ORIGINAL (Red)

[illegible] ANALYSIS DATA SHEET

PBLKPD

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW25

Matrix: (soil/water) SOIL Lab Sample ID: PBLKPD

Sample wt/vol: 30.0 (g/ml) G Lab File ID:

% Moisture: 0 decanted: (Y/N) N Date Received: / /

Extraction: (SepF Cont/Sonc) SONC Date Extracted: 11/09/93

Concentrated Extract Volume: 5000 (uL Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	33.	U
11104-28-2	Aroclor-1221	67.	U
11141-16-5	Aroclor-1232	33.	U
53469-21-9	Aroclor-1242	33.	U
12672-29-6	Aroclor-1248	33.	U
11097-69-1	Aroclor-1254	33.	U
11096-82-5	Aroclor-1260	33.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

PBLKNC

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) WATER Lab Sample ID: PBLKNC

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

CJ2233

ORIGINAL
(Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKPA

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)WATER Lab Sample ID: PBLKPA

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/06/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKPC (Original Red)

Lab Name: ABB-ME Contract: 68-D2-0025

Lab Code: ABB Case No. 21162 SAS No.: SDG No.: CJW01

Matrix: (soil/water) WATER Lab Sample ID: PBLKPC

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/09/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

002250

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKPD

Lab Name:ABB-ME Contract:68-D2-0025

Lab Code:ABB Case No.21162 SAS No.: SDG No.:CJW01

Matrix: (soil/water)SOIL Lab Sample ID: PBLKPD

Sample wt/vol: 30.0 (g/ml)G Lab File ID:

% Moisture: 0 decanted: (Y/N) Y Date Received: / /

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted:11/09/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 0.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6------	alpha-BHC	1.7	U
319-85-7------	beta-BHC	1.7	U
319-86-8------	delta-BHC	1.7	U
58-89-9-------	gamma-BHC(Lindane)	1.7	U
76-44-8-------	Heptachlor	1.7	U
309-00-2------	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8------	Endosulfan I	1.7	U
60-57-1-------	Dieldrin	3.3	U
72-55-9-------	4,4'-DDE	3.3	U
72-20-8-------	Endrin	3.3	U
33213-65-9----	Endosulfan II	3.3	U
72-54-8-------	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-------	4,4'-DDT	3.3	U
72-43-5-------	Methoxychlor	17.	U
53494-70-5----	Endrin ketone	3.3	U
7421-36-3-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170.	U
12674-11-2----	Aroclor-1016	33.	U
11104-28-2----	Aroclor-1221	67.	U
11141-16-5----	Aroclor-1232	33.	U
53469-21-9----	Aroclor-1242	33.	U
12672-29-6----	Aroclor-1248	33.	U
11097-69-1----	Aroclor-1254	33.	U
11096-82-5----	Aroclor-1260	33.	U