Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 12/20/89
DATE REPORTED: 01/17/90

LAB NUMBER: 19008

CLIENT: HARDING LAWSON ASSOCIATES

REPORT ON: 6 WATER SAMPLES

PROJECT #: 18452,016.02
LOCATION: WAREHAM - 63rd ST

RESULTS: SEE ATTACHED

QA/QC Officer

Laboratory Director

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008
CLIENT: HARDING LAWSON ASSOCIATE
PROJECT #: 18452,016.02
LOCATION: WAREHAM - 63rd STREET

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/29/89
DATE REPORTED: 01/03/90

Extractable Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	CLIENT ID	KEROSENE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
19008-1	2001 MW-1	ND(0.5)	ND(0.5)	ND(0.5)
19008-2	2002 MW-2	ND(0.5)	ND(0.5)	ND(0.5)
19008-3	2003 MW-4	ND(0.5)	ND(0.5)	ND(0.5)
19008-5	2005 MW-5	ND(0.5)	ND(0.5)	ND(0.5)
19008-6	2006 MW-4	2.2*	ND(0.5)	ND(0.5)

ND = Not Detected; Limit of detection in parentheses.

* = Fingerprint Pattern does not match Hydrocarbon Standards.
Quantitation based on area sum within C10 to C16 boiling range.

QA/QC SUMMARY

RPD, %	2
Spike: % Recovery	85

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
LOCATION: WAREHAM - 63rd STREET

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/22/89
DATE REPORTED: 01/03/90

Total Volatile Hydrocarbons as Gasoline in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	REPORTING LIMIT (ug/L)
19008-1	2001 mw-1	ND	50
19008-2	2002 mw-3	ND	50
19008-3	2003 mw-4	ND	50
19008-5	2005 mw-5	ND	50
19008-6	2006 mw-2	530	50

ND = Not Detected.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	101

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-1
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2001 mw-1

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/27/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8080: Organochlorine Pesticides and PCBs
Extraction Method: EPA 3510

COMPOUND	RESULT ug/L	DETECTION LIMIT ug/L
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor Epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.05
4,4'-DDE	ND	0.05
Endrin	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
4,4'-DDD	ND	0.05
Endrine Aldehyde	ND	0.05
4,4'-DDT	ND	0.05
Chlordane	ND	0.5
Toxaphene	ND	0.5
Methoxychlor	ND	0.5
Aroclor 1016	ND	0.5
Aroclor 1221	ND	0.5
Aroclor 1232	ND	0.5
Aroclor 1242	ND	0.5
Aroclor 1248	ND	0.5
Aroclor 1254	ND	0.5
Aroclor 1260	ND	0.5

ND = Not detected.

QA/QC SUMMARY:

Duplicate: Relative % Difference	15
Average Spike Recovery %	99

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-2
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2002 mw-3

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/27/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8080: Organochlorine Pesticides and PCBs
Extraction Method: EPA 3510

COMPOUND	RESULT ug/L	DETECTION LIMIT ug/L
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor Epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.05
4,4'-DDE	ND	0.05
Endrin	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
4,4'-DDD	ND	0.05
Endrine Aldehyde	ND	0.05
4,4'-DDT	ND	0.05
Chlordane	ND	0.5
Toxaphene	ND	0.5
Methoxychlor	ND	0.5
Aroclor 1016	ND	0.5
Aroclor 1221	ND	0.5
Aroclor 1232	ND	0.5
Aroclor 1242	ND	0.5
Aroclor 1248	ND	0.5
Aroclor 1254	ND	0.5
Aroclor 1260	ND	0.5

ND = Not detected.

QA/QC SUMMARY:

Duplicate: Relative % Difference	15
Average Spike Recovery %	99

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 19008-3
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2003 MW-4

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/27/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8080: Organochlorine Pesticides and PCBs
Extraction Method: EPA 3510

COMPOUND	RESULT ug/L	DETECTION LIMIT ug/L
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor Epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.05
4,4'-DDE	ND	0.05
Endrin	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
4,4'-DDD	ND	0.05
Endrine Aldehyde	ND	0.05
4,4'-DDT	ND	0.05
Chlordane	ND	0.5
Toxaphene	ND	0.5
Methoxychlor	ND	0.5
Aroclor 1016	ND	0.5
Aroclor 1221	ND	0.5
Aroclor 1232	ND	0.5
Aroclor 1242	ND	0.5
Aroclor 1248	ND	0.5
Aroclor 1254	ND	0.5
Aroclor 1260	ND	0.5

ND = Not detected.

QA/QC SUMMARY:

Duplicate: Relative % Difference	15
Average Spike Recovery %	99

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-5
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2005 mw-5

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/27/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8080: Organochlorine Pesticides and PCBs
Extraction Method: EPA 3510

COMPOUND	RESULT ug/L	DETECTION LIMIT ug/L
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor Epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.05
4,4'-DDE	ND	0.05
Endrin	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
4,4'-DDD	ND	0.05
Endrine Aldehyde	ND	0.05
4,4'-DDT	ND	0.05
Chlordane	ND	0.5
Toxaphene	ND	0.5
Methoxychlor	ND	0.5
Aroclor 1016	ND	0.5
Aroclor 1221	ND	0.5
Aroclor 1232	ND	0.5
Aroclor 1242	ND	0.5
Aroclor 1248	ND	0.5
Aroclor 1254	ND	0.5
Aroclor 1260	ND	0.5

ND = Not detected.

QA/QC SUMMARY:

Duplicate: Relative % Difference	15
Average Spike Recovery %	99

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-6
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2006 MW-2

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/27/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8080: Organochlorine Pesticides and PCBs
Extraction Method: EPA 3510

COMPOUND	RESULT ug/L	DETECTION LIMIT ug/L
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor Epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.05
4,4'-DDE	ND	0.05
Endrin	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
4,4'-DDD	ND	0.05
Endrine Aldehyde	ND	0.05
4,4'-DDT	ND	0.05
Chlordane	ND	0.5
Toxaphene	ND	0.5
Methoxychlor	ND	0.5
Aroclor 1016	ND	0.5
Aroclor 1221	ND	0.5
Aroclor 1232	ND	0.5
Aroclor 1242	ND	0.5
Aroclor 1248	ND	0.5
Aroclor 1254	ND	0.5
Aroclor 1260	ND	0.5

ND = Not detected.

QA/QC SUMMARY:

Duplicate: Relative % Difference	15
Average Spike Recovery %	99

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-1
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2001 MW-1

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	106%
Toluene-d8	94%
Bromofluorobenzene	93%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-2
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2002 mw-3

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	106%
Toluene-d8	102%
Bromofluorobenzene	102%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-3
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2003 mw-4

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	99%
Toluene-d8	101%
Bromofluorobenzene	106%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-4
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2004 [illegible] duplicate

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103%
Toluene-d8	103%
Bromofluorobenzene	105%

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 19008-5
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2005 MW-5

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101%
Toluene-d8	102%
Bromofluorobenzene	109%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-6
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2006 MW-2

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/28/89
DATE REPORTED: 01/03/90

EPA METHOD 8240: VOLATILE ORGANICS

COMPOUND	Result ug/L	Detection Limit ug/L
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5
trichlorofluoromethane	ND	5
1,1-dichloroethene	ND	5
1,1-dichloroethane	ND	5
trans-1,2-dichloroethene	ND	5
chloroform	ND	5
1,2-dichloroethane	ND	5
1,1,1-trichloroethane	ND	5
carbon tetrachloride	ND	5
bromodichloromethane	ND	5
1,2-dichloropropane	ND	5
cis-1,3-dichloropropene	ND	5
trichloroethylene	ND	5
dibromochloromethane	ND	5
1,1,2-trichloroethane	ND	5
benzene	ND	5
trans-1,3-dichloropropene	ND	5
2-chloroethylvinyl ether	ND	10
bromoform	ND	5
1,1,2,2-tetrachloroethane	ND	5
tetrachloroethylene	ND	5
toluene	ND	5
chlorobenzene	ND	5
ethyl benzene	ND	5

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	10
carbon disulfide	ND	5
2-butanone	ND	10
vinyl acetate	ND	10
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
styrene	ND	5
total xylenes	ND	5

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	95%
Toluene-d8	101%
Bromofluorobenzene	102%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-1
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2001 MW-1

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/22/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8270: Base/Neutral and Acid Extractables
Extraction Method: EPA 3520 Liquid-Liquid

ACID COMPOUNDS	RESULT ug/L	LOD ug/L
Phenol	ND	5
2-Chlorophenol	ND	5
2-Nitrophenol	ND	25
2,4-Dimethylphenol	ND	5
2,4-Dichlorophenol	ND	5
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	5
2,4-Dinitrophenol	ND	25
4-Nitrophenol	ND	25
4,6-Dinitro-2-methylphenol	ND	25
Pentachlorophenol	ND	25
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	5
Bis(2-chloroethyl)ether	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Bis(2-chloroisopropyl)ether	ND	5
N-Nitroso-di-n-propylamine	ND	5
Hexachloroethane	ND	5
Nitrobenzene	ND	5
Isophorone	ND	5
Bis(2-chloroethoxy)methane	ND	5
1,2,4-Trichlorobenzene	ND	5
Naphthalene	ND	5
Hexachlorobutadiene	ND	5
Hexachlorocyclopentadiene	ND	5
2-Chloronaphthalene	ND	5
Dimethylphthalate	ND	5
Acenaphthylene	ND	5
2,6-Dinitrotoluene	ND	5
Acenaphthene	ND	5
2,4-Dinitrotoluene	ND	5
Diethylphthalate	ND	5
4-Chlorophenyl-phenylether	ND	5
Fluorene	ND	5
N-Nitrosodiphenylamine	ND	5

LABORATORY NUMBER: 19008-1
SAMPLE ID: 2001 MW-1

BASE/NEUTRAL COMPOUNDS	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	5
Hexachlorobenzene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Di-n-butylphthalate	ND	5
Fluoranthene	ND	5
Benzidine	ND	5
Pyrene	ND	5
Butylbenzylphthalate	ND	5
3,3'-Dichlorobenzidine	ND	25
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Bis (2-ethylhexyl)phthalate	ND	5
Di-n-octylphthalate	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1,2,3-cd) pyrene	ND	10
Dibenzo (a,h) anthracene	ND	10
Benzo (g,h,i) perylene	ND	10
HSL COMPOUNDS		
Aniline	ND	5
Benzoic Acid	ND	25
2-Methylphenol	ND	5
4-Methylphenol	ND	5
2,4,5-Trichlorophenol	ND	25
Benzyl Alcohol	ND	5
4-Chloroaniline	ND	5
2-Methylnaphthalene	ND	5
2-Nitroaniline	ND	25
3-Nitroaniline	ND	25
Dibenzofuran	ND	5
4-Nitroaniline	ND	25

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY:

2-Fluorophenol	82%	Nitrobenzene-d5	64%
Phenol-d5	87%	2-Fluorobiphenyl	91%
2,4,6-Tribromophenol	104%	Terphenyl-d14	61%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-2
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2002 mw-3

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/22/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8270: Base/Neutral and Acid Extractables
Extraction Method: EPA 3520 Liquid-Liquid

ACID COMPOUNDS	RESULT ug/L	LOD ug/L
Phenol	ND	5
2-Chlorophenol	ND	5
2-Nitrophenol	ND	25
2,4-Dimethylphenol	ND	5
2,4-Dichlorophenol	ND	5
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	5
2,4-Dinitrophenol	ND	25
4-Nitrophenol	ND	25
4,6-Dinitro-2-methylphenol	ND	25
Pentachlorophenol	ND	25
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	5
Bis(2-chloroethyl)ether	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Bis(2-chloroisopropyl)ether	ND	5
N-Nitroso-di-n-propylamine	ND	5
Hexachloroethane	ND	5
Nitrobenzene	ND	5
Isophorone	ND	5
Bis(2-chloroethoxy)methane	ND	5
1,2,4-Trichlorobenzene	ND	5
Naphthalene	ND	5
Hexachlorobutadiene	ND	5
Hexachlorocyclopentadiene	ND	5
2-Chloronaphthalene	ND	5
Dimethylphthalate	ND	5
Acenaphthylene	ND	5
2,6-Dinitrotoluene	ND	5
Acenaphthene	ND	5
2,4-Dinitrotoluene	ND	5
Diethylphthalate	ND	5
4-Chlorophenyl-phenylether	ND	5
Fluorene	ND	5
N-Nitrosodiphenylamine	ND	5

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-2
SAMPLE ID: 2002 MW-3

EPA 8270

BASE/NEUTRAL COMPOUNDS	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	5
Hexachlorobenzene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Di-n-butylphthalate	ND	5
Fluoranthene	ND	5
Benzidine	ND	5
Pyrene	ND	5
Butylbenzylphthalate	ND	5
3,3'-Dichlorobenzidine	ND	25
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Bis (2-ethylhexyl)phthalate	ND	5
Di-n-octylphthalate	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1,2,3-cd) pyrene	ND	10
Dibenzo (a,h) anthracene	ND	10
Benzo (g,h,i) perylene	ND	10
HSL COMPOUNDS		
Aniline	ND	5
Benzoic Acid	ND	25
2-Methylphenol	ND	5
4-Methylphenol	ND	5
2,4,5-Trichlorophenol	ND	25
Benzyl Alcohol	ND	5
4-Chloroaniline	ND	5
2-Methylnaphthalene	ND	5
2-Nitroaniline	ND	25
3-Nitroaniline	ND	25
Dibenzofuran	ND	5
4-Nitroaniline	ND	25

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY:

2-Fluorophenol	85%	Nitrobenzene-d5	70%
Phenol-d5	90%	2-Fluorobiphenyl	98%
2,4,6-Tribromophenol	94%	Terphenyl-d14	62%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-3
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2003 mw-4

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/22/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8270: Base/Neutral and Acid Extractables
Extraction Method: EPA 3520 Liquid-Liquid

ACID COMPOUNDS	RESULT ug/L	LOD ug/L
Phenol	ND	5
2-Chlorophenol	ND	5
2-Nitrophenol	ND	25
2,4-Dimethylphenol	ND	5
2,4-Dichlorophenol	ND	5
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	5
2,4-Dinitrophenol	ND	25
4-Nitrophenol	ND	25
4,6-Dinitro-2-methylphenol	ND	25
Pentachlorophenol	ND	25
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	5
Bis(2-chloroethyl)ether	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Bis(2-chloroisopropyl)ether	ND	5
N-Nitroso-di-n-propylamine	ND	5
Hexachloroethane	ND	5
Nitrobenzene	ND	5
Isophorone	ND	5
Bis(2-chloroethoxy)methane	ND	5
1,2,4-Trichlorobenzene	ND	5
Naphthalene	ND	5
Hexachlorobutadiene	ND	5
Hexachlorocyclopentadiene	ND	5
2-Chloronaphthalene	ND	5
Dimethylphthalate	ND	5
Acenaphthylene	ND	5
2,6-Dinitrotoluene	ND	5
Acenaphthene	ND	5
2,4-Dinitrotoluene	ND	5
Diethylphthalate	ND	5
4-Chlorophenyl-phenylether	ND	5
Fluorene	ND	5
N-Nitrosodiphenylamine	ND	5

LABORATORY NUMBER: 19008-3
SAMPLE ID: 2003 MW-4

BASE/NEUTRAL COMPOUNDS	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	5
Hexachlorobenzene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Di-n-butylphthalate	ND	5
Fluoranthene	ND	5
Benzidine	ND	5
Pyrene	ND	5
Butylbenzylphthalate	ND	5
3,3'-Dichlorobenzidine	ND	25
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Bis (2-ethylhexyl)phthalate	ND	5
Di-n-octylphthalate	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1,2,3-cd) pyrene	ND	10
Dibenzo (a,h) anthracene	ND	10
Benzo (g,h,i) perylene	ND	10
HSL COMPOUNDS		
Aniline	ND	5
Benzoic Acid	ND	25
2-Methylphenol	ND	5
4-Methylphenol	ND	5
2,4,5-Trichlorophenol	ND	25
Benzyl Alcohol	ND	5
4-Chloroaniline	ND	5
2-Methylnaphthalene	ND	5
2-Nitroanilline	ND	25
3-Nitroanilline	ND	25
Dibenzofuran	ND	5
4-Nitroaniline	ND	25

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY:

2-Fluorophenol	86%	Nitrobenzene-d5	70%
Phenol-d5	90%	2-Fluorobiphenyl	99%
2,4,6-Tribromophenol	102%	Terphenyl-d14	62%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-5
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2005 mw-5

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/22/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8270: Base/Neutral and Acid Extractables
Extraction Method: EPA 3520 Liquid-Liquid

ACID COMPOUNDS	RESULT ug/L	LOD ug/L
Phenol	ND	5
2-Chlorophenol	ND	5
2-Nitrophenol	ND	25
2,4-Dimethylphenol	ND	5
2,4-Dichlorophenol	ND	5
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	5
2,4-Dinitrophenol	ND	25
4-Nitrophenol	ND	25
4,6-Dinitro-2-methylphenol	ND	25
Pentachlorophenol	ND	25
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	5
Bis(2-chloroethyl)ether	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Bis(2-chloroisopropyl)ether	ND	5
N-Nitroso-di-n-propylamine	ND	5
Hexachloroethane	ND	5
Nitrobenzene	ND	5
Isophorone	ND	5
Bis(2-chloroethoxy)methane	ND	5
1,2,4-Trichlorobenzene	ND	5
Naphthalene	ND	5
Hexachlorobutadiene	ND	5
Hexachlorocyclopentadiene	ND	5
2-Chloronaphthalene	ND	5
Dimethylphthalate	ND	5
Acenaphthylene	ND	5
2,6-Dinitrotoluene	ND	5
Acenaphthene	ND	5
2,4-Dinitrotoluene	ND	5
Diethylphthalate	ND	5
4-Chlorophenyl-phenylether	ND	5
Fluorene	ND	5
N-Nitrosodiphenylamine	ND	5

LABORATORY NUMBER: 19008-5
SAMPLE ID: 2005 MW-5

BASE/NEUTRAL COMPOUNDS	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	5
Hexachlorobenzene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Di-n-butylphthalate	ND	5
Fluoranthene	ND	5
Benzidine	ND	5
Pyrene	ND	5
Butylbenzylphthalate	ND	5
3,3'-Dichlorobenzidine	ND	25
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Bis (2-ethylhexyl)phthalate	ND	5
Di-n-octylphthalate	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1,2,3-cd) pyrene	ND	10
Dibenzo (a,h) anthracene	ND	10
Benzo (g,h,i) perylene	ND	10
HSL COMPOUNDS		
Aniline	ND	5
Benzoic Acid	ND	25
2-Methylphenol	ND	5
4-Methylphenol	ND	5
2,4,5-Trichlorophenol	ND	25
Benzyl Alcohol	ND	5
4-Chloroaniline	ND	5
2-Methylnaphthalene	ND	5
2-Nitroaniline	ND	25
3-Nitroaniline	ND	25
Dibenzofuran	ND	5
4-Nitroaniline	ND	25

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY:

2-Fluorophenol	85%	Nitrobenzene-d5	63%
Phenol-d5	85%	2-Fluorobiphenyl	109%
2,4,6-Tribromophenol	100%	Terphenyl-d14	66%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-6
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2006 mw-2

DATE RECEIVED: 12/20/89
DATE EXTRACTED: 12/22/89
DATE ANALYZED: 01/02/90
DATE REPORTED: 01/03/90

EPA 8270: Base/Neutral and Acid Extractables
Extraction Method: EPA 3520 Liquid-Liquid

ACID COMPOUNDS	RESULT ug/L	LOD ug/L
Phenol	ND	5
2-Chlorophenol	ND	5
2-Nitrophenol	ND	25
2,4-Dimethylphenol	ND	5
2,4-Dichlorophenol	ND	5
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	5
2,4-Dinitrophenol	ND	25
4-Nitrophenol	ND	25
4,6-Dinitro-2-methylphenol	ND	25
Pentachlorophenol	ND	25
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	5
Bis(2-chloroethyl)ether	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Bis(2-chloroisopropyl)ether	ND	5
N-Nitroso-di-n-propylamine	ND	5
Hexachloroethane	ND	5
Nitrobenzene	ND	5
Isophorone	ND	5
Bis(2-chloroethoxy)methane	ND	5
1,2,4-Trichlorobenzene	ND	5
Naphthalene	ND	5
Hexachlorobutadiene	ND	5
Hexachlorocyclopentadiene	ND	5
2-Chloronaphthalene	ND	5
Dimethylphthalate	ND	5
Acenaphthylene	ND	5
2,6-Dinitrotoluene	ND	5
Acenaphthene	ND	5
2,4-Dinitrotoluene	ND	5
Diethylphthalate	ND	5
4-Chlorophenyl-phenylether	ND	5
Fluorene	ND	5
N-Nitrosodiphenylamine	ND	5

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 19008-6
SAMPLE ID: 2006 mw-2

EPA 8270

BASE/NEUTRAL COMPOUNDS	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	5
Hexachlorobenzene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Di-n-butylphthalate	ND	5
Fluoranthene	ND	5
Benzidine	ND	5
Pyrene	ND	5
Butylbenzylphthalate	ND	5
3,3'-Dichlorobenzidine	ND	25
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Bis (2-ethylhexyl)phthalate	ND	5
Di-n-octylphthalate	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1,2,3-cd) pyrene	ND	10
Dibenzo (a,h) anthracene	ND	10
Benzo (g,h,i) perylene	ND	10
HSL COMPOUNDS		
Aniline	ND	5
Benzoic Acid	ND	25
2-Methylphenol	ND	5
4-Methylphenol	ND	5
2,4,5-Trichlorophenol	ND	25
Benzyl Alcohol	ND	5
4-Chloroanilline	ND	5
2-Methylnaphthalene	12	5
2-Nitroaniline	ND	25
3-Nitroaniline	ND	25
Dibenzofuran	ND	5
4-Nitroanilline	ND	25

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY:

2-Fluorophenol	63%	Nitrobenzene-d5	49%
Phenol-d5	64%	2-Fluorobiphenyl	76%
2,4,6-Tribromophenol	82%	Terphenyl-d14	44%

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-1
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2001 MW-1

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 01/03/90

Title 26 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.10	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.19	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.02	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	0.11	0.01	EPA 6010
Selenium	ND	0.05	EPA 7740
Silver	ND	0.02	EPA 6010
Thallium	ND	0.10	EPA 7841
Vanadium	ND	0.02	EPA 6010
Zinc	ND	0.01	EPA 6010

ND = Not Detected

QA/QC SUMMARY

	%RPD	%RECOVERY		%RPD	%RECOVERY
Antimony	<1	93	Mercury	<1	82
Arsenic	8	112	Molybdenum	3	94
Barium	1	106	Nickel	3	109
Beryllium	<1	113	Selenium	<1	114
Cadmium	1	102	Silver	<1	91
Chromium	17	106	Thallium	8	106
Cobalt	<1	105	Vanadium	<1	107
Copper	3	109	Zinc	1	109
Lead	2	90			

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-2
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2002 MW-3

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 01/03/90

Title 26 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.10	EPA 6010
Arsenic	ND	0.05	EPA 7060
Barium	0.06	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.02	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	ND	0.01	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.10	EPA 6010
Vanadium	ND	0.02	EPA 6010
Zinc	ND	0.01	EPA 6010

ND = Not Detected

QA/QC SUMMARY

	%RPD	%RECOVERY		%RPD	%RECOVERY
Antimony	<1	93	Mercury	<1	82
Arsenic	8	112	Molybdenum	3	94
Barium	1	106	Nickel	3	109
Beryllium	<1	113	Selenium	<1	114
Cadmium	1	102	Silver	<1	91
Chromium	17	106	Thallium	8	106
Cobalt	<1	105	Vanadium	<1	107
Copper	3	109	Zinc	1	109
Lead	2	90			

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 19008-3
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2003 MW W-6

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 01/03/90

Title 26 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.10	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.20	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.02	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	ND	0.01	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.10	EPA 7841
Vanadium	ND	0.02	EPA 6010
Zinc	ND	0.01	EPA 6010

ND = Not Detected

QA/QC SUMMARY

	%RPD	%RECOVERY		%RPD	%RECOVERY
Antimony	<1	93	Mercury	<1	82
Arsenic	8	112	Molybdenum	3	94
Barium	1	106	Nickel	3	109
Beryllium	<1	113	Selenium	<1	114
Cadmium	1	102	Silver	<1	91
Chromium	17	106	Thallium	8	106
Cobalt	<1	105	Vanadium	<1	107
Copper	3	109	Zinc	1	109
Lead	2	90			

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 19008-5
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2005 mw-5

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 01/03/90

Title 26 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.10	EPA 6010
Arsenic	ND	0.05	EPA 6010
Barium	0.21	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.02	EPA 6010
Lead	ND	0.05	EPA 6010
Mercury	ND	0.001	EPA 7470
Molybdenum	ND	0.01	EPA 6010
Nickel	ND	0.01	EPA 6010
Selenium	ND	0.05	EPA 6010
Silver	ND	0.02	EPA 6010
Thallium	ND	0.10	EPA 6010
Vanadium	ND	0.02	EPA 6010
Zinc	0.02	0.01	EPA 6010

ND = Not Detected

QA/QC SUMMARY

	%RPD	%RECOVERY		%RPD	%RECOVERY
Antimony	<1	93	Mercury	<1	82
Arsenic	8	112	Molybdenum	3	94
Barium	1	106	Nickel	3	109
Beryllium	<1	113	Selenium	<1	114
Cadmium	1	102	Silver	<1	91
Chromium	17	106	Thallium	8	106
Cobalt	<1	105	Vanadium	<1	107
Copper	3	109	Zinc	1	109
Lead	2	90			

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 19008-6
CLIENT: HARDING LAWSON ASSOCIATES
JOB #: 18452,016.02
SAMPLE ID: 2006 MW-2

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 01/03/90

Title 26 Metals in Aqueous Solutions

METAL	RESULT mg/L	DETECTION LIMIT mg/L	METHOD
Antimony	ND	0.10	EPA 6010
Arsenic	0.05	0.05	EPA 7060
Barium	0.17	0.01	EPA 6010
Beryllium	ND	0.01	EPA 6010
Cadmium	ND	0.01	EPA 6010
Chromium (total)	ND	0.01	EPA 6010
Cobalt	ND	0.01	EPA 6010
Copper	ND	0.02	EPA 6010
Lead	ND	0.05	EPA 7420
Mercury	ND	0.001	EPA 7470
Molybdenum	0.01	0.01	EPA 6010
Nickel	ND	0.01	EPA 6010
Selenium	ND	0.05	EPA 7740
Silver	ND	0.02	EPA 6010
Thallium	0.11	0.10	EPA 7841
Vanadium	ND	0.02	EPA 6010
Zinc	0.01	0.01	EPA 6010

ND = Not Detected

QA/QC SUMMARY

	%RPD	%RECOVERY		%RPD	%RECOVERY
Antimony	<1	93	Mercury	<1	82
Arsenic	8	112	Molybdenum	3	94
Barium	1	106	Nickel	3	109
Beryllium	<1	113	Selenium	<1	114
Cadmium	1	102	Silver	<1	91
Chromium	17	106	Thallium	8	106
Cobalt	<1	105	Vanadium	<1	107
Copper	3	109	Zinc	1	109
Lead	2	90			