PLUMBROOK GROUNWATER 1997 SAMPLING EVENT
CROSS REFERENCE

SAMPLE_NO	SAMPLE PURPOSE	SAMPLE_DATE	LOCATION_CODE	SAMPLE_NAME
5410	REG	17-Nov-97	IT-BG8-BEDGW-001 BG 8	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG
5411	FD	17-Nov-97	IT-BG8-BEDGW-001	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD
5412	FS	17-Nov-97	IT-BG8-BEDGW-001	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS
5420	REG	17-Nov-97	IT-TNTB-BEDGW-001 TNTB	PBOW97-IT-TNTB-BEDGW-001-GW-5420-REG
5430	REG	16-Nov-97	IT-TNTB-BEDGW-002	PBOW97-IT-TNTB-BEDGW-002-GW-5430-REG
5440	REG	20-Nov-97	IT-MNTA-BEDGW-001 MNTA	PBOW97-IT-MNTA-BEDGW-001-GW-5440-REG
5450	REG	16-Nov-97	IT-AA1-BEDGW-001 AA1	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG
5451	FD	16-Nov-97	IT-AA1-BEDGW-001 AA1	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD
5452	FS	16-Nov-97	IT-AA1-BEDGW-001	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS
5460	REG	20-Nov-97	IT-AA2-BEDGW-001 AA2	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG
5470	REG	19-Nov-97	IT-AA3-BEDGW-001 AA3	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG
5480	REG	13-Nov-97	IT-ABG-BEDGW-01 Add BG	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG
~~5480-MS~~	MS	13-Nov-97	IT-ABG-BEDGW-01	PBOW97-IT-ABG-BEDGW-01-GW-5480-MS
~~5480-MSD~~	MSD	13-Nov-97	IT-ABG-BEDGW-01	PBOW97-IT-ABG-BEDGW-01-GW-5480-MSD
~~5481~~	TB	13-Nov-97	IT-ABG-BEDGW-01	PBOW97-IT-ABG-BEDGW-01-BW-5481-TB
5490	REG	20-Nov-97	IT-AA1-GW-002 AA1	PBOW97-IT-AA1-GW-002-GW-5490-REG
~~5501~~	FB	12-Nov-97	FIELDQC	PBOW97-FIELDQC-BW-5501-FB
5510	REG	19-Nov-97	IT-AA3-GW-002 AA3	PBOW97-IT-AA3-GW-002-GW-5510-REG
~~5511~~	TB	19-Nov-97	IT-AA3-GW-002 AA3	PBOW97-IT-AA3-GW-002-BW-5511-TB
5520	REG	19-Nov-97	IT-ABG-GW-002 Add BG	PBOW97-IT-ABG-GW-002-GW-5520-REG
~~5530~~	REG	~~19-Nov-97~~	~~IT-MW01~~ Bkgnd 9	PBOW97-IT-MW01-GW-5530-REG
5540	REG	21-Nov-97	IT-MW02 WA	PBOW97-IT-MW02-GW-5540-REG
5550	REG	19-Nov-97	IT-MW05 PR	PBOW97-IT-MW05-GW-5550-REG-REG
~~5550-MS~~	MS	19-Nov-97	IT-MW05 PR	PBOW97-IT-MW05-GW-5550-MS-MS
~~5550-MSD~~	MSD	19-Nov-97	IT-MW05 PR	PBOW97-IT-MW05-GW-5550-MSD-MSD
5560	REG	19-Nov-97	IT-MW06 WA	PBOW97-IT-MW06-GW-5560-REG
5561	FD	19-Nov-97	IT-MW06 WA	PBOW97-IT-MW06-GW-5561-FD
5562	FS	19-Nov-97	IT-MW06 WA	PBOW97-IT-MW06-GW-5562-FS
5580	REG	19-Nov-97	IT-MW08 WA	PBOW97-IT-MW08-GW-5580-REG
5590	REG	23-Nov-97	IT-MW09 TNTC	PBOW97-IT-MW09-GW-5590-REG
5600	REG	14-Nov-97	IT-MW10 WA	PBOW97-IT-MW10-GW-5600-REG
5610	REG	18-Nov-97	PB-TNTA-MW10	PBOW97-PB-TNTA-MW10-GW-5610-REG
5611	FD	18-Nov-97	PB-TNTA-MW10 TNTA	PBOW97-PB-TNTA-MW10-GW-5611-FD
5612	FS	18-Nov-97	PB-TNTA-MW10 TNTA	PBOW97-PB-TNTA-MW10-GW-5612-FS
~~5613~~	TB	18-Nov-97	PB-TNTA-MW10 TNTA	PBOW97-PB-TNTA-MW10-BW-5613-TB
5620	REG	18-Nov-97	PB-TNTA-MW11 TNTA	PBOW97-PB-TNTA-MW11-GW-5620-REG
5630	REG	21-Nov-97	PB-TNTC-MW3 TNTC	PBOW97-PB-TNTC-MW3-GW-5630-REG
5640	REG	24-Nov-97	PB-TNTC-MW4 TNTC	PBOW97-PB-TNTC-MW4-GW-5640-REG
5650	REG	21-Nov-97	PB-TNTC-MW5 TNTC	PBOW97-PB-TNTC-MW5-GW-5650-REG
5660	REG	20-Nov-97	PB-TNTC-MW6 TNTC	PBOW97-PB-TNTC-MW6-GW-5660-REG
5670	REG	21-Nov-97	PB-WA-MW1 WA	PBOW97-PB-WA-MW1-GW-5670-REG
5680	REG	23-Nov-97	PB-WA-MW2 WA	PBOW97-PB-WA-MW2-GW-5680-REG
5690	REG	17-Nov-97	PB-PR-MW7 PR	PBOW97-PB-PR-MW7-GW-5690-REG
5700	REG	17-Nov-97	PB-PR-MW8 PR	PBOW97-PB-PR-MW8-GW-5700-REG
5701	FD	17-Nov-97	PB-PR-MW8 PR	PBOW97-PB-PR-MW8-GW-5701-FD
5702	FS	17-Nov-97	PB-PR-MW8 PR	PBOW97-PB-PR-MW8-GW-5702-FS
~~5703~~	TB	17-Nov-97	PB-PR-MW8 PR	PBOW97-PB-PR-MW8-BW-5703-TB
5710	REG	17-Nov-97	PB-PR-MW9 PR	PBOW97-PB-PR-MW9-GW-5710-REG
5720	REG	16-Nov-97	MK-MW09	PBOW97-MK-MW09-GW-5720-REG
5730	REG	13-Nov-97	MK-MW10 MD	PBOW97-MK-MW10-GW-5730-REG
~~5730-MS~~	MS	14-Nov-97	MK-MW10 MD	PBOW97-MK-MW10-GW-5730-MS-MS
~~5730-MSD~~	MSD	14-Nov-97	MK-MW10 MD	PBOW97-MK-MW10-GW-5730-MSD-MSD
5740	REG	18-Nov-97	MK-MW11	PBOW97-MK-MW11-GW-5740-REG

PLUMBROOK GROUNWATER 1997 SAMPLING EVENT
CROSS REFERENCE

5750	REG	17-Nov-97	MK-MW12		PBOW97-MK-MW12-GW-5750-REG
~~5751~~	TB	17-Nov-97	MK-MW12		PBOW97-MK-MW12-BW-5751-TB
5760	REG	16-Nov-97	MK-MW14		PBOW97-MK-MW14-GW-5760-REG
5761	FD	16-Nov-97	MK-MW14		PBOW97-MK-MW14-GW-5761-FD
5762	FS	16-Nov-97	MK-MW14		PBOW97-MK-MW14-GW-5762-FS
~~5763~~	TB	16-Nov-97	MK-MW14		PBOW97-MK-MW14-BW-5763-TB
5770	REG	16-Nov-97	MK-MW15		PBOW97-MK-MW15-GW-5770-REG
5780	REG	21-Nov-97	MK-MW16		PBOW97-MK-MW16-GW-5780-REG
5790	REG	21-Nov-97	MK-MW17		PBOW97-MK-MW17-GW-5790-REG
5800	REG	16-Nov-97	MK-MW19		PBOW97-MK-MW19-GW-5800-REG
~~5800-MS~~	MS	16-Nov-97	MK-MW19		PBOW97-MK-MW19-GW-5800-MS-MS
~~5800-MSD~~	MSD	16-Nov-97	MK-MW19		PBOW97-MK-MW19-GW-5800-MSD-MSD
5810	REG	16-Nov-97	MK-MW20		PBOW97-MK-MW20-GW-5810-REG
~~5811~~	TB	16-Nov-97	MK-MW20		PBOW97-MK-MW20-BW-5811-TB
5820	REG	14-Nov-97	MK-MW22		PBOW97-MK-MW22-GW-5820-REG
5830	REG	16-Nov-97	MK-MW23		PBOW97-MK-MW23-GW-5830-REG
5840	REG	13-Nov-97	MK-MW24		PBOW97-MK-MW24-GW-5840-REG
~~5841~~	TB	14-Nov-97	MK-MW24		PBOW97-MK-MW24-BW-5841-TB
5850	REG	20-Nov-97	GCL-MW01		PBOW97-GCL-MW01-GW-5850-REG
~~5851~~	FB	21-Nov-97	FIELDQC		PBOW97-FIELDQC-BW-5851-FB
5860	REG	20-Nov-97	GCL-MW02A		PBOW97-GCL-MW02A-GW-5860-REG
5870	REG	20-Nov-97	GCL-MW02B		PBOW97-GCL-MW02B-GW-5870-REG
5880	REG	20-Nov-97	GCL-MW03		PBOW97-GCL-MW03-GW-5880-REG
~~5881~~	TB	20-Nov-97	GCL-MW03		PBOW97-GCL-MW03-BW-5881-TB
5890	REG	13-Nov-97	PB-BED-MW13		PBOW97-PB-BED-MW13-GW-5890-REG
5900	REG	18-Nov-97	PB-BED-MW14		PBOW97-PB-BED-MW14-GW-5900-REG
~~5901~~	TB	18-Nov-97	PB-BED-MW14		PBOW97-PB-BED-MW14-BW-5901-TB
5910	REG	18-Nov-97	PB-BED-MW15		PBOW97-PB-BED-MW15-GW-5910-REG
5920	REG	24-Nov-97	PB-BED-MW16		PBOW97-PB-BED-MW16-GW-5920-REG
~~5921~~	TB	23-Nov-97	PB-BED-MW16		PBOW97-PB-BED-MW16-BW-5921-TB
5930	REG	20-Nov-97	PB-BED-MW17		PBOW97-PB-BED-MW17-GW-5930-REG
5940	REG	19-Nov-97	PB-BED-MW18		PBOW97-PB-BED-MW18-GW-5940-REG
5950	REG	14-Nov-97	PB-BED-MW19		PBOW97-PB-BED-MW19-GW-5950-REG
5960	REG	17-Nov-97	PB-BED-MW20		PBOW97-PB-BED-MW20-GW-5960-REG
5970	RFA	21-Nov-97	REACTOR1		PBOW97-REACTOR1-GW-5970-RFA
LOT H012	FD	10-Nov-97	FIELDQC		PBOW97-FIELDQC-BW-LOT H012-FB

ENCLOSURE 1.

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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB010

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

December 22, 1997

Quanterra
Environmental Services

SAMPLE SUMMARY

PB010 : H7K130155

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE1JX	001	5501	11/12/97	12:00
CE1K0	002	5501F	11/12/97	12:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB010 : H7K140159

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE27G	001	5480	11/13/97	10:15
CE285	002	5481	11/13/97	08:00
CE289	003	5480F	11/13/97	10:15
CE2GQ	004	5730	11/13/97	12:30
CE2GT	005	5840	11/13/97	14:00
CE2GX	006	5890	11/13/97	15:00

NOTE(S):

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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB010 : H7K150112

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE2NG	001	5600	11/14/97	08:15
CE2NH	002	5820	11/14/97	13:10
CE2NJ	003	5950	11/14/97	13:20

NOTE(S):

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Quanterra
Environmental Services

SAMPLE SUMMARY

PB010 : H7K170117

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE327	001	5600	11/14/97	08:15
CE328	002	5730	11/14/97	13:00
CE32C	003	5820	11/14/97	13:10
CE32D	004	5840	11/13/97	14:00
CE32E	005	5890	11/13/97	15:00
CE32G	006	5950	11/14/97	13:20
CE32J	007	5841	11/14/97	07:00
CE32L	008	5600F	11/14/97	08:15
CE32M	009	5730F	11/14/97	13:00
CE32N	010	5820F	11/14/97	13:10
CE32P	011	5840F	11/13/97	14:00
CE32Q	012	5890F	11/13/97	15:00
CE32R	013	5950F	11/14/97	13:20

NOTE(S) :

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Quanterra
Environmental Services

SAMPLE SUMMARY

PB010 : H7K180152

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE3NW	001	5770	11/16/97	11:05
CE3NX	002	5761	11/16/97	10:00
CE3P0	003	5760	11/16/97	10:00
CE3P1	004	5430	11/16/97	15:30
CE3P3	005	5770F	11/16/97	11:05
CE3P4	006	5761F	11/16/97	10:00
CE3P5	007	5760F	11/16/97	10:00
CE3P6	008	5430F	11/16/97	15:30

NOTE(S) :

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Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB010

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Dissolved ICP Metals	SW846 6010A
Filterable Residue (TDS)	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Organochlorine Pesticides and PCBs	SW846 8081
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	MCAWW 375.4
Total Cyanide	SW846 9010A
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Volatile Organics by GC/MS	SW846 8260A

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Semivolatiles

Surrogate recoveries for sample 5890 were outside control limits. However, after consultation with Kim Napier of IT Corporation, the results were flagged as estimated and released without further investigation.

Continuing calibration standard component Di-n-octylphthalate was just above percent drift criteria. However, as this analyte was not detected in the associated samples, the sample data is unaffected.

Explosives

The matrix spike duplicate recoveries for sample 5730 were acceptable for all analytes except 1,3,5-trinitrobenzene and 1,3-dinitrobenzene. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Metals

The matrix spike recoveries for sample 5730 and the batch matrix spike were outside control limits for some analytes. However, the laboratory control samples showed acceptable results indicating that the analysis was in control. The matrix spike results are, therefore, attributed to matrix effects. The affected analytes are flagged appropriately on the matrix spike report.

COMMENTS:

Volatiles

The concentrations of several compounds in samples 5890 exceeded the calibration level of the instrument. The samples were analyzed at appropriate dilutions to bring the concentrations of the compounds into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits. In addition, surrogate recoveries for this sample were outside control limits. Since the analysis of this sample at a dilution showed acceptable surrogate recoveries, the results are attributed to sample matrix effects.

This report shall not be reproduced except in full, without the written approval of the laboratory.

PROJECT NARRATIVE

COMMENTS:

Volatiles

Sample 5430 was reported with elevated reporting limits for all analytes due to the presence of non-target compounds. Based on screening results, a dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

PCBs

Samples 5890, 5950, and 5430 were reported with elevated reporting limits for Aroclor 1221 due to matrix interferences. The reporting limits have been adjusted accordingly.

Explosives

The following samples were reported with elevated reporting limits for one or more compounds due to chromatographic interferences: 5430, 5501, 5760, 5761, 5770, 5804, 5890.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

GC/MS Volatiles

Lot-Sample #...: H7K130155-001 **Work Order #...:** CE1JX101 **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	**20**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	**9.3**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	**0.37 J**	**1.0**	**ug/L**	**SW846 8260A**
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

A&BG

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

GC/MS Volatiles

Lot-Sample #...: H7K140159-001 **Work Order #...:** CE27G101 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**0.25 J**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5481

GC/MS Volatiles

Lot-Sample #...: H7K140159-002 Work Order #...: CE285101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5481

GC/MS Volatiles

Lot-Sample #...: H7K140159-002 **Work Order #...:** CE285101 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.47 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	**0.15 J**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

(Continued on next page)

WA

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

GC/MS Volatiles

Lot-Sample #...: H7K170117-001 **Work Order #...:** CE327101 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.17 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	83	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

GC/MS Volatiles

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE328101 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

GC/MS Volatiles

Lot-Sample #...: H7K170117-003 **Work Order #...:** CE32C101 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

GC/MS Volatiles

Lot-Sample #...: H7K170117-004 **Work Order #...:** CE32D101 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

TNTC

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC/MS Volatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E101 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**5.8**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**140 E**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**140 E**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	**74 E**	**1.0**	**ug/L**	**SW846 8260A**
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**310 E**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	141 *	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC/MS Volatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E101 **Matrix.....:** WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC/MS Volatiles

Lot-Sample #...: H7K170117-005 Work Order #...: CE32E201 Matrix.....: WATER
Date Sampled...: 11/13/97 Date Received..: 11/17/97
Prep Date.....: 11/20/97 Analysis Date..: 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	130 D	25	ug/L	SW846 8260A
Toluene	170 D	25	ug/L	SW846 8260A
Ethylbenzene	73 D	25	ug/L	SW846 8260A
Xylenes (total)	520 D	25	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

NOTE(S):

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

WA

Client Sample ID: 5950

GC/MS Volatiles

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G101 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**68**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	**2.0**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**11**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**8.9**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	**5.1**	**1.0**	**ug/L**	**SW846 8260A**
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**38**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5841

GC/MS Volatiles

Lot-Sample #...: H7K170117-007 **Work Order #...:** CE32J101 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.45 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5841

GC/MS Volatiles

Lot-Sample #...: H7K170117-007 Work Order #...: CE32J101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

GC/MS Volatiles

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.76 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.38 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

GC/MS Volatiles

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MK-MW14

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

GC/MS Volatiles

Lot-Sample #...: H7K180152-002 **Work Order #...:** CE3NX101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.77 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.47 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

GC/MS Volatiles

Lot-Sample #...: H7K180152-002 Work Order #...: CE3NX101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MK-MW14

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

GC/MS Volatiles

Lot-Sample #...: H7K180152-003 **Work Order #...:** CE3P0101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.79 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.32 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

GC/MS Volatiles

Lot-Sample #...: H7K180152-003 Work Order #...: CE3P0101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

TNTB

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

GC/MS Volatiles

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P1101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	**4.8 J,B**	**5.0**	**ug/L**	**SW846 8260A**
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	**6.4**	**5.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	**0.91 J**	**5.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	**0.85 J**	**5.0**	**ug/L**	**SW846 8260A**
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	**12**	**5.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

GC/MS Volatiles

Lot-Sample #...: H7K180152-004 Work Order #...: CE3P1101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE1R6101 **Matrix.....:** WATER
MB Lot-Sample #: H7K140000-153

Prep Date.....: 11/18/97
Analysis Date..: 11/18/97 **Prep Batch #...:** 7318153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	93	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE1R6101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE1R6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K140000-153 CE1R6103-LCSD
Prep Date.....: 11/18/97 **Analysis Date..:** 11/18/97
Prep Batch #...: 7318153
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**92**	**(70 - 137)**			**SW846 8260A**
	96	**(70 - 137)**	**4.7**	**(0-12)**	**SW846 8260A**
Benzene	**91**	**(76 - 123)**			**SW846 8260A**
	94	**(76 - 123)**	**2.8**	**(0-10)**	**SW846 8260A**
Trichloroethene	**91**	**(75 - 129)**			**SW846 8260A**
	94	**(75 - 129)**	**2.8**	**(0-14)**	**SW846 8260A**
Toluene	**93**	**(77 - 115)**			**SW846 8260A**
	94	**(77 - 115)**	**0.91**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**93**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**0.17**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(67 - 128)
	95	(67 - 128)
Toluene-d8	97	(71 - 119)
	95	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)
	96	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE4XH101 **Matrix.....:** WATER
MB Lot-Sample #: H7K200000-241

Prep Date.....: 11/20/97
Analysis Date..: 11/20/97 **Prep Batch #...:** 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE4XH101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE328102-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K170117-002 CE328103-MSD
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**84**	**(70 - 137)**			**SW846 8260A**
	87	**(70 - 137)**	**3.8**	**(0-12)**	**SW846 8260A**
Trichloroethene	**82**	**(75 - 129)**			**SW846 8260A**
	85	**(75 - 129)**	**3.6**	**(0-14)**	**SW846 8260A**
Benzene	**82**	**(76 - 123)**			**SW846 8260A**
	84	**(76 - 123)**	**2.8**	**(0-10)**	**SW846 8260A**
Toluene	**81**	**(77 - 115)**			**SW846 8260A**
	84	**(77 - 115)**	**3.9**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**81**	**(78 - 116)**			**SW846 8260A**
	85	**(78 - 116)**	**4.8**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
	94	(67 - 128)
Toluene-d8	99	(71 - 119)
	102	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)
	96	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE4XH102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K200000-241
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**105**	**(70 - 137)**	**SW846 8260A**
Benzene	**104**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**99**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE7CE101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-152

Prep Date.....: 11/24/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.44 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE7CE101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB010 **Work Order #...:** CE7CE102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-152
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**108**	**(70 - 137)**	**SW846 8260A**
Benzene	**103**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**	**SW846 8260A**
Toluene	**105**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**102**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

GC/MS Semivolatiles

Lot-Sample #...: H7K130155-001 **Work Order #...:** CE1JX102 **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/23/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

GC/MS Semivolatiles

Lot-Sample #...: H7K130155-001 Work Order #...: CE1JX102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(11 - 121)
Phenol-d5	89	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	81	(46 - 120)
2,4,6-Tribromophenol	82	(36 - 144)
Terphenyl-d14	95	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

GC/MS Semivolatiles

Lot-Sample #...: H7K140159-001 **Work Order #...:** CE27G102 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/23/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

GC/MS Semivolatiles

Lot-Sample #...: H7K140159-001 Work Order #...: CE27G102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	87	(11 - 121)
Phenol-d5	88	(19 - 125)
Nitrobenzene-d5	91	(49 - 124)
2-Fluorobiphenyl	83	(46 - 120)
2,4,6-Tribromophenol	81	(36 - 144)
Terphenyl-d14	90	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-001 **Work Order #...:** CE327102 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

WA

Client Sample ID: 5600

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-001 **Work Order #...:** CE327102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**5.1 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(11 - 121)
Phenol-d5	75	(19 - 125)
Nitrobenzene-d5	77	(49 - 124)
2-Fluorobiphenyl	67	(46 - 120)
2,4,6-Tribromophenol	58	(36 - 144)
Terphenyl-d14	89	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

WA

Client Sample ID: 5730

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE328104 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**11**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(11 - 121)
Phenol-d5	86	(19 - 125)
Nitrobenzene-d5	87	(49 - 124)
2-Fluorobiphenyl	75	(46 - 120)
2,4,6-Tribromophenol	60	(36 - 144)
Terphenyl-d14	84	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE328104 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-003 **Work Order #...:** CE32C102 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/23/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-003 Work Order #...: CE32C102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(11 - 121)
Phenol-d5	73	(19 - 125)
Nitrobenzene-d5	77	(49 - 124)
2-Fluorobiphenyl	68	(46 - 120)
2,4,6-Tribromophenol	67	(36 - 144)
Terphenyl-d14	79	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-004 **Work Order #...:** CE32D102 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-004 **Work Order #...:** CE32D102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(11 - 121)
Phenol-d5	91	(19 - 125)
Nitrobenzene-d5	96	(49 - 124)
2-Fluorobiphenyl	86	(46 - 120)
2,4,6-Tribromophenol	86	(36 - 144)
Terphenyl-d14	60	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E102 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**62**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	**4.1 J**	**10**	**ug/L**	**SW846 8270B**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	**4.7 J**	**10**	**ug/L**	**SW846 8270B**
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**16**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**15**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**20**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**39**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	31	(11 - 121)
Phenol-d5	51	(19 - 125)
Nitrobenzene-d5	41 *	(49 - 124)
2-Fluorobiphenyl	58	(46 - 120)
2,4,6-Tribromophenol	63	(36 - 144)
Terphenyl-d14	60	(22 - 152)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G102 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**55**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**2.1 J**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**3.3 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

GC/MS Semivolatiles

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**5.8 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(11 - 121)
Phenol-d5	57	(19 - 125)
Nitrobenzene-d5	59	(49 - 124)
2-Fluorobiphenyl	54	(46 - 120)
2,4,6-Tribromophenol	62	(36 - 144)
Terphenyl-d14	63	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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MR-MW15

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**6.0 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(11 - 121)
Phenol-d5	64	(19 - 125)
Nitrobenzene-d5	64	(49 - 124)
2-Fluorobiphenyl	60	(46 - 120)
2,4,6-Tribromophenol	63	(36 - 144)
Terphenyl-d14	62	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-002 **Work Order #...:** CE3NX102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-002 Work Order #...: CE3NX102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(11 - 121)
Phenol-d5	87	(19 - 125)
Nitrobenzene-d5	90	(49 - 124)
2-Fluorobiphenyl	82	(46 - 120)
2,4,6-Tribromophenol	77	(36 - 144)
Terphenyl-d14	80	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-003 **Work Order #...:** CE3P0102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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MW-14

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-003 **Work Order #...:** CE3P0102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**1.7 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(11 - 121)
Phenol-d5	85	(19 - 125)
Nitrobenzene-d5	87	(49 - 124)
2-Fluorobiphenyl	82	(46 - 120)
2,4,6-Tribromophenol	77	(36 - 144)
Terphenyl-d14	80	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

VNTB

Client Sample ID: 5430

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P1102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**2.3 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

GC/MS Semivolatiles

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P1102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.0 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(11 - 121)
Phenol-d5	87	(19 - 125)
Nitrobenzene-d5	85	(49 - 124)
2-Fluorobiphenyl	81	(46 - 120)
2,4,6-Tribromophenol	79	(36 - 144)
Terphenyl-d14	86	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE3XW101 **Matrix.....:** WATER
MB Lot-Sample #: H7K190000-173

Prep Date.....: 11/19/97
Analysis Date..: 11/23/97 **Prep Batch #...:** 7323173
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE3XW101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
Phenol-d5	88	(19 - 125)
Nitrobenzene-d5	88	(49 - 124)
2-Fluorobiphenyl	79	(46 - 120)
2,4,6-Tribromophenol	83	(36 - 144)
Terphenyl-d14	96	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE328105-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K170117-002 CE328106-MSD
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**67**	**(25 - 117)**			**SW846 8270B**
	63	**(25 - 117)**	**6.7**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**68**	**(34 - 114)**			**SW846 8270B**
	59	**(34 - 114)**	**13**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**54**	**(28 - 104)**			**SW846 8270B**
	49	**(28 - 104)**	**9.5**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**77**	**(23 - 113)**			**SW846 8270B**
	73	**(23 - 113)**	**5.2**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**50**	**(38 - 110)**			**SW846 8270B**
	45	**(38 - 110)**	**9.6**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**61**	**(40 - 122)**			**SW846 8270B**
	59	**(40 - 122)**	**3.7**	**(0-42)**	**SW846 8270B**
Acenaphthene	**66**	**(48 - 112)**			**SW846 8270B**
	62	**(48 - 112)**	**5.8**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**74**	**(15 - 141)**			**SW846 8270B**
	69	**(15 - 141)**	**6.3**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**75**	**(52 - 118)**			**SW846 8270B**
	69	**(52 - 118)**	**8.1**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**54**	**(25 - 165)**			**SW846 8270B**
	51	**(25 - 165)**	**5.8**	**(0-50)**	**SW846 8270B**
Pyrene	**86**	**(42 - 152)**			**SW846 8270B**
	82	**(42 - 152)**	**5.7**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(11 - 121)
	54	(11 - 121)
Phenol-d5	63	(19 - 125)
	59	(19 - 125)
Nitrobenzene-d5	65	(49 - 124)
	62	(49 - 124)
2-Fluorobiphenyl	58	(46 - 120)
	55	(46 - 120)
2,4,6-Tribromophenol	47	(36 - 144)
	43	(36 - 144)
Terphenyl-d14	81	(22 - 152)
	76	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE3XW102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K190000-173
Prep Date.....: 11/19/97 **Analysis Date..:** 11/23/97
Prep Batch #...: 7323173
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**84**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**89**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**67**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**97**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**69**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**81**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**82**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**96**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**80**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**84**	**(25 - 165)**	**SW846 8270B**
Pyrene	**84**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
Phenol-d5	86	(19 - 125)
Nitrobenzene-d5	88	(49 - 124)
2-Fluorobiphenyl	79	(46 - 120)
2,4,6-Tribromophenol	81	(36 - 144)
Terphenyl-d14	91	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE74R101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-141

Prep Date.....: 11/23/97
Analysis Date..: 11/25/97 **Prep Batch #...:** 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE74R101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(11 - 121)
Phenol-d5	81	(19 - 125)
Nitrobenzene-d5	85	(49 - 124)
2-Fluorobiphenyl	74	(46 - 120)
2,4,6-Tribromophenol	79	(36 - 144)
Terphenyl-d14	95	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE74R102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-141
Prep Date.....: 11/23/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**92**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**97**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**74**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**99**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**79**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**90**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**92**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**81**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**94**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**81**	**(25 - 165)**	**SW846 8270B**
Pyrene	**102**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(11 - 121)
Phenol-d5	90	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	87	(46 - 120)
2,4,6-Tribromophenol	88	(36 - 144)
Terphenyl-d14	100	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

GC Semivolatiles

Lot-Sample #...: H7K130155-001 **Work Order #...:** CE1JX103 **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(30 - 133)
Decachlorobiphenyl	89	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

GC Semivolatiles

Lot-Sample #...: H7K140159-001 **Work Order #...:** CE27G103 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

GC Semivolatiles

Lot-Sample #...: H7K170117-001 **Work Order #...:** CE327103 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	69	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

GC Semivolatiles

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE328107 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 133)
Decachlorobiphenyl	81	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

GC Semivolatiles

Lot-Sample #...: H7K170117-003 **Work Order #...:** CE32C103 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	57	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

GC Semivolatiles

Lot-Sample #...: H7K170117-004 **Work Order #...:** CE32D103 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(30 - 133)
Decachlorobiphenyl	37	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC Semivolatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E103 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/06/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	30	(30 - 133)
Decachlorobiphenyl	47	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

GC Semivolatiles

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E203 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7323170
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1221	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

GC Semivolatiles

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G103 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/06/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 133)
Decachlorobiphenyl	61	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

GC Semivolatiles

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G203 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7323170
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1221	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

GC Semivolatiles

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 133)
Decachlorobiphenyl	58	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

GC Semivolatiles

Lot-Sample #...: H7K180152-002 **Work Order #...:** CE3NX103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(30 - 133)
Decachlorobiphenyl	43	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

GC Semivolatiles

Lot-Sample #...: H7K180152-003 **Work Order #...:** CE3P0103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 133)
Decachlorobiphenyl	52	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

GC Semivolatiles

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P1103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/06/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	108	(30 - 133)
Decachlorobiphenyl	97	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

GC Semivolatiles

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P1203 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7323170
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1221	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE3XN101 **Matrix.....:** WATER
MB Lot-Sample #: H7K190000-170

Prep Date.....: 11/19/97
Analysis Date..: 12/05/97 **Prep Batch #...:** 7323170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 133)
Decachlorobiphenyl	79	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE328108-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K170117-002 CE328109-MSD
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**97**	**(70 - 158)**			**SW846 8081**
	93	**(70 - 158)**	**4.2**	**(0-25)**	**SW846 8081**
Aroclor 1260	**86**	**(70 - 158)**			**SW846 8081**
	79	**(70 - 158)**	**7.9**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(30 - 133)
	86	(30 - 133)
Decachlorobiphenyl	91	(30 - 139)
	61	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB010 **Work Order #...:** CE3XN102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K190000-170
Prep Date.....: 11/19/97 **Analysis Date..:** 12/05/97
Prep Batch #...: 7323170
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**87**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**82**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(30 - 133)
Decachlorobiphenyl	83	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

HPLC

Lot-Sample #...: H7K130155-001 **Work Order #...:** CE1JX10V **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.24	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

HPLC

Lot-Sample #...: H7K140159-001 **Work Order #...:** CE27G10W **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	93	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

HPLC

Lot-Sample #...: H7K170117-001 **Work Order #...:** CE32710W **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

HPLC

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE32812N **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

HPLC

Lot-Sample #...: H7K170117-003 **Work Order #...:** CE32C10W **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	**0.62**	**0.20**	**ug/L**	**SW846 8330**
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	**0.20**	**0.20**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	**0.53**	**0.20**	**ug/L**	**SW846 8330**
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**0.24**	**0.20**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	**0.74**	**0.20**	**ug/L**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

HPLC

Lot-Sample #...: H7K170117-004 **Work Order #...:** CE32D10W **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7323157
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
HMX	ND	2.5	ug/L	SW846 8330
Nitrobenzene	ND	1.0	ug/L	SW846 8330
2-Nitrotoluene	ND	1.0	ug/L	SW846 8330
3-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	2.5	ug/L	SW846 8330
Tetryl	ND	1.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	1.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	114	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

HPLC

Lot-Sample #...: H7K170117-005 **Work Order #...:** CE32E10W **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
HMX	ND	5.0	ug/L	SW846 8330
Nitrobenzene	ND G	3.8	ug/L	SW846 8330
2-Nitrotoluene	ND	2.0	ug/L	SW846 8330
3-Nitrotoluene	ND	2.0	ug/L	SW846 8330
RDX	ND	5.0	ug/L	SW846 8330
Tetryl	ND	2.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	2.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

HPLC

Lot-Sample #...: H7K170117-006 **Work Order #...:** CE32G10W **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	**0.22**	**0.20**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	**0.32**	**0.20**	**ug/L**	**SW846 8330**
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

HPLC

Lot-Sample #...: H7K180152-001 **Work Order #...:** CE3NW10W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7324174
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.68	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

HPLC

Lot-Sample #...: H7K180152-002 **Work Order #...:** CE3NX10V **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7324174
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.66	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

HPLC

Lot-Sample #...: H7K180152-003 **Work Order #...:** CE3P010W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7324174
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.99	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

HPLC

Lot-Sample #...: H7K180152-004 **Work Order #...:** CE3P110W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7324174
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.33	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB010 **Work Order #...:** CE3VJ101 **Matrix.....:** WATER
MB Lot-Sample #: H7K190000-157

Prep Date.....: 11/19/97
Analysis Date..: 12/01/97 **Prep Batch #...:** 7323157
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB010 **Work Order #...:** CE32812P-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K170117-002 CE32812Q-MSD
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	**111**	**(67 - 130)**			**SW846 8330**
	122	**(67 - 130)**	**9.6**	**(0-25)**	**SW846 8330**
4-Nitrotoluene	**110**	**(54 - 127)**			**SW846 8330**
	111	**(54 - 127)**	**0.54**	**(0-25)**	**SW846 8330**
HMX	**89**	**(71 - 141)**			**SW846 8330**
	101	**(71 - 141)**	**13**	**(0-25)**	**SW846 8330**
RDX	**123**	**(59 - 138)**			**SW846 8330**
	133	**(59 - 138)**	**7.9**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**115**	**(79 - 126)**			**SW846 8330**
	127 a	**(79 - 126)**	**9.7**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**118**	**(76 - 124)**			**SW846 8330**
	130 a	**(76 - 124)**	**9.5**	**(0-25)**	**SW846 8330**
Tetryl	**91**	**(61 - 157)**			**SW846 8330**
	105	**(61 - 157)**	**14**	**(0-25)**	**SW846 8330**
Nitrobenzene	**111**	**(62 - 136)**			**SW846 8330**
	115	**(62 - 136)**	**3.2**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**97**	**(67 - 130)**			**SW846 8330**
	109	**(67 - 130)**	**12**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**102**	**(67 - 130)**			**SW846 8330**
	113	**(67 - 130)**	**10**	**(0-25)**	**SW846 8330**
2,6-Dinitrotoluene	**109**	**(59 - 148)**			**SW846 8330**
	119	**(59 - 148)**	**8.9**	**(0-25)**	**SW846 8330**
2,4-Dinitrotoluene	**111**	**(75 - 132)**			**SW846 8330**
	121	**(75 - 132)**	**8.8**	**(0-25)**	**SW846 8330**
2-Nitrotoluene	**99**	**(53 - 149)**			**SW846 8330**
	102	**(53 - 149)**	**3.1**	**(0-25)**	**SW846 8330**
3-Nitrotoluene	**100**	**(54 - 127)**			**SW846 8330**
	102	**(54 - 127)**	**1.5**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(50 - 150)
	111	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB010 **Work Order #...:** CE3VJ102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K190000-157
Prep Date.....: 11/19/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7323157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**88**	**(71 - 141)**	**SW846 8330**
RDX	**125**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**117**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**119**	**(76 - 124)**	**SW846 8330**
Tetryl	**92**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**112**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**98**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**106**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**111**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**112**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**99**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**98**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**113**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**107**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	111	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: PB010 **Work Order #...:** CE4GV101 **Matrix.....:** WATER
MB Lot-Sample #: H7K200000-174

Prep Date.....: 11/20/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7324174
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.33	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	75	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB010 **Work Order #...:** CE4GV102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K200000-174
Prep Date.....: 11/20/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7324174
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**76**	**(71 - 141)**	**SW846 8330**
RDX	**103**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**100**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**100**	**(76 - 124)**	**SW846 8330**
Tetryl	**82**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**96**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**87**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**91**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**95**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**98**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**91**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**93**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**97**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**98**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

TOTAL Metals

Lot-Sample #...: H7K130155-001 **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7317201						
Aluminum	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1JX104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1JX106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX108
		Dilution Factor: 1				
Calcium	**31800**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10C
		Dilution Factor: 1				
Copper	**348**	**25.0**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX10D**
		Dilution Factor: 1				
Iron	**144**	**100**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX10E**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5501

TOTAL Metals

Lot-Sample #...: H7K130155-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**10400**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX10F**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10K
		Dilution Factor: 1				
Sodium	**15600**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1JX10M
		Dilution Factor: 1				
Zinc	**35.1**	**20.0**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1JX10N**
		Dilution Factor: 1				
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE1JX10U
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

TOTAL Metals

Lot-Sample #...: H7K140159-001 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	**3.6**	**0.20**	**ug/L**	**SW846 7470A**	**12/08-12/09/97**	**CE27G10U**
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**522**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G104**
		Dilution Factor: 1				
Arsenic	**11.7**	**10.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE27G10P**
		Dilution Factor: 1				
Lead	**6.9**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE27G10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE27G105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE27G106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE27G10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE27G107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE27G10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE27G108
		Dilution Factor: 1				
Calcium	**176000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE27G10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE27G10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE27G10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

TOTAL Metals

Lot-Sample #...: H7K140159-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**8890**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G10E**
		Dilution Factor: 1				
Magnesium	**34300**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G10F**
		Dilution Factor: 1				
Manganese	**912**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE27G10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE27G10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE27G10K
		Dilution Factor: 1				
Sodium	**5070**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE27G10M
		Dilution Factor: 1				
Zinc	**27.7**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE27G10N**
		Dilution Factor: 1				

19W15

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

TOTAL Metals

Lot-Sample #...: H7K180152-001 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3NW10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**292**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NW104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NW10P
		Dilution Factor: 1				
Lead	**7.1**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE3NW10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3NW105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3NW106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NW10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3NW107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NW10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3NW108
		Dilution Factor: 1				
Calcium	**114000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NW109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3NW10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3NW10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3NW10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

TOTAL Metals

Lot-Sample #...: H7K180152-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	12700	100	ug/L	SW846 6010A	12/08/97	CE3NW10E
		Dilution Factor: 1				
Magnesium	17600	5000	ug/L	SW846 6010A	12/08/97	CE3NW10F
		Dilution Factor: 1				
Manganese	608	15.0	ug/L	SW846 6010A	12/08/97	CE3NW10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3NW10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3NW10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3NW10K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3NW10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3NW10M
		Dilution Factor: 1				
Zinc	23.0	20.0	ug/L	SW846 6010A	12/08/97	CE3NW10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

TOTAL Metals

Lot-Sample #...: H7K170117-001 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32710U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**1040**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE327104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32710P
		Dilution Factor: 1				
Lead	**4.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32710Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE327105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE327106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32710R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE327107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32710T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE327108
		Dilution Factor: 1				
Calcium	**183000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE327109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32710A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32710C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32710D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

TOTAL Metals

Lot-Sample #...: H7K170117-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**3040**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32710E**
		Dilution Factor: 1				
Magnesium	**83700**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32710F**
		Dilution Factor: 1				
Manganese	**1670**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32710G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32710H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32710J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32710K
		Dilution Factor: 1				
Sodium	**48200**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32710L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32710M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE32710N
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

TOTAL Metals

Lot-Sample #...: H7K180152-002 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3NX10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE3NX104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NX10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NX10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3NX105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3NX106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NX10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3NX107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3NX10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3NX108
		Dilution Factor: 1				
Calcium	**181000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NX109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3NX10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3NX10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3NX10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5761

TOTAL Metals

Lot-Sample #...: H7K180152-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**20300**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NX10E**
		Dilution Factor: 1				
Magnesium	**27600**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NX10F**
		Dilution Factor: 1				
Manganese	**397**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NX10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3NX10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3NX10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3NX10K
		Dilution Factor: 1				
Sodium	**6240**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3NX10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3NX10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE3NX10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

TOTAL Metals

Lot-Sample #...: H7K170117-002 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32812H
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**1140**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32810A**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE328124
		Dilution Factor: 1				
Lead	**3.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE328127**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32810E
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32810H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32812A
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32810L
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32812E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32810P
		Dilution Factor: 1				
Calcium	**99200**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32810T**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32810W
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE328111
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE328114
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

TOTAL Metals

Lot-Sample #...: H7K170117-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**2080**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE328117**
		Dilution Factor: 1				
Magnesium	**27600**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32811A**
		Dilution Factor: 1				
Manganese	**90.9**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32811E**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32811H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32811L
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32811P
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32811T
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32811W
		Dilution Factor: 1				
Zinc	**25.5**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE328121**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

TOTAL Metals

Lot-Sample #...: H7K180152-003 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3P010U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**520**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P0104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P010P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P010Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P0105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3P0106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P010R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P0107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P010T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P0108
		Dilution Factor: 1				
Calcium	**172000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P0109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P010A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P010C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P010D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

TOTAL Metals

Lot-Sample #...: H7K180152-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19300	100	ug/L	SW846 6010A	12/08/97	CE3P010E
		Dilution Factor: 1				
Magnesium	26500	5000	ug/L	SW846 6010A	12/08/97	CE3P010F
		Dilution Factor: 1				
Manganese	370	15.0	ug/L	SW846 6010A	12/08/97	CE3P010G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P010H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3P010J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P010K
		Dilution Factor: 1				
Sodium	5960	5000	ug/L	SW846 6010A	12/08/97	CE3P010L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P010M
		Dilution Factor: 1				
Zinc	25.8	20.0	ug/L	SW846 6010A	12/08/97	CE3P010N
		Dilution Factor: 1				

TOTAL

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

TOTAL Metals

Lot-Sample #...: H7K170117-003 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32C10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**7790**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32C10P
		Dilution Factor: 1				
Lead	**6.7**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32C10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32C105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32C106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32C10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32C107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32C10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32C108
		Dilution Factor: 1				
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C109**
		Dilution Factor: 1				
Chromium	**16.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32C10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32C10D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

TOTAL Metals

Lot-Sample #...: H7K170117-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**10900**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10E**
		Dilution Factor: 1				
Magnesium	**17500**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10F**
		Dilution Factor: 1				
Manganese	**185**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32C10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32C10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32C10K
		Dilution Factor: 1				
Sodium	**7100**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32C10M
		Dilution Factor: 1				
Zinc	**35.6**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32C10N**
		Dilution Factor: 1				

TOTB

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

TOTAL Metals

Lot-Sample #...: H7K180152-004 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3P110U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**317**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P1104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P110P
		Dilution Factor: 1				
Lead	**4.8**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE3P110Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P1105
		Dilution Factor: 1				
Barium	**326**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P1106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P110R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P1107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P110T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P1108
		Dilution Factor: 1				
Calcium	**114000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P1109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P110A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P110C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P110D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

TOTAL Metals

Lot-Sample #...: H7K180152-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1030**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110E**
		Dilution Factor: 1				
Magnesium	**43800**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110F**
		Dilution Factor: 1				
Manganese	**85.4**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P110H
		Dilution Factor: 1				
Potassium	**10400**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P110K
		Dilution Factor: 1				
Sodium	**127000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P110M
		Dilution Factor: 1				
Zinc	**73.9**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P110N**
		Dilution Factor: 1				

TOTAL

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

TOTAL Metals

Lot-Sample #...: H7K170117-004 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32D10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	**6620**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32D104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32D10P
		Dilution Factor: 1				
Lead	**13.1**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32D10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32D105
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32D10R
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32D106
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32D10T
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32D107
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32D108
		Dilution Factor: 1				
Calcium	**641000**	**10000**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32D109**
		Dilution Factor: 2				
Chromium	**25.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32D10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32D10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32D10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

TOTAL Metals

Lot-Sample #...: H7K170117-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13500	100	ug/L	SW846 6010A	12/08/97	CE32D10E
		Dilution Factor: 1				
Magnesium	47400	5000	ug/L	SW846 6010A	12/08/97	CE32D10F
		Dilution Factor: 1				
Manganese	788	15.0	ug/L	SW846 6010A	12/08/97	CE32D10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32D10H
		Dilution Factor: 1				
Potassium	5640	5000	ug/L	SW846 6010A	12/08/97	CE32D10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32D10K
		Dilution Factor: 1				
Sodium	8130	5000	ug/L	SW846 6010A	12/08/97	CE32D10L
		Dilution Factor: 1				
Vanadium	60.9	50.0	ug/L	SW846 6010A	12/08/97	CE32D10M
		Dilution Factor: 1				
Zinc	127	20.0	ug/L	SW846 6010A	12/08/97	CE32D10N
		Dilution Factor: 1				

TNTC

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

TOTAL Metals

Lot-Sample #...: H7K170117-005 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32E10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32E104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32E10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32E10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32E105
		Dilution Factor: 1				
Barium	**1550**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32E10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32E107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32E10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32E108
		Dilution Factor: 1				
Calcium	**248000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32E10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32E10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32E10D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

TOTAL Metals

Lot-Sample #...: H7K170117-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**244**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E10E**
		Dilution Factor: 1				
Magnesium	**180000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E10F**
		Dilution Factor: 1				
Manganese	**17.4**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32E10H
		Dilution Factor: 1				
Potassium	**101000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E10J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32E10K
		Dilution Factor: 1				
Sodium	**1330000**	**20000**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32E10L**
		Dilution Factor: 4				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32E10M
		Dilution Factor: 1				
Zinc	**47.2**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32E10N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

TOTAL Metals

Lot-Sample #...: H7K170117-006 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32G10U
		Dilution Factor: 1				
Prep Batch #...: 7342109						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32G104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32G10P
		Dilution Factor: 1				
Lead	**6.8**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32G10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32G105
		Dilution Factor: 1				
Barium	**1520**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32G106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32G10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32G107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32G10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32G108
		Dilution Factor: 1				
Calcium	**255000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32G109**
		Dilution Factor: 1				
Chromium	**10.0**	**10.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32G10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32G10C
		Dilution Factor: 1				
Copper	**61.7**	**25.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32G10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

TOTAL Metals

Lot-Sample #...: H7K170117-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	376	100	ug/L	SW846 6010A	12/08/97	CE32G10E
		Dilution Factor: 1				
Magnesium	57200	5000	ug/L	SW846 6010A	12/08/97	CE32G10F
		Dilution Factor: 1				
Manganese	30.4	15.0	ug/L	SW846 6010A	12/08/97	CE32G10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32G10H
		Dilution Factor: 1				
Potassium	49500	5000	ug/L	SW846 6010A	12/08/97	CE32G10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32G10K
		Dilution Factor: 1				
Sodium	120000	5000	ug/L	SW846 6010A	12/08/97	CE32G10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32G10M
		Dilution Factor: 1				
Zinc	62.3	20.0	ug/L	SW846 6010A	12/08/97	CE32G10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5501F

DISSOLVED Metals

Lot-Sample #...: H7K130155-002 **Matrix.....:** WATER
Date Sampled...: 11/12/97 **Date Received..:** 11/13/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7317201						
Aluminum	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1K0101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K0102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1K0103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K0104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K0105
		Dilution Factor: 1				
Calcium	**33800**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1K0106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K0107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K0108
		Dilution Factor: 1				
Copper	**155**	**25.0**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1K0109**
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010A	11/14-11/19/97	CE1K010A
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5501F

DISSOLVED Metals

Lot-Sample #...: H7K130155-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**11100**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1K010C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1K010F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010G
		Dilution Factor: 1				
Sodium	**16800**	**5000**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1K010H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1K010J
		Dilution Factor: 1				
Zinc	**47.2**	**20.0**	**ug/L**	**SW846 6010A**	**11/14-11/19/97**	**CE1K010K**
		Dilution Factor: 1				
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE1K010Q
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480F

DISSOLVED Metals

Lot-Sample #...: H7K140159-003 Matrix.....: WATER
Date Sampled...: 11/13/97 Date Received..: 11/14/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE28910Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE289101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE28910L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE28910M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE289102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE289103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE28910N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE289104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE28910P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE289105
		Dilution Factor: 1				
Calcium	**179000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE289106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE289107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE289108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE289109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5480F

DISSOLVED Metals

Lot-Sample #...: H7K140159-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**7260**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE28910A**
		Dilution Factor: 1				
Magnesium	**34900**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE28910C**
		Dilution Factor: 1				
Manganese	**990**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE28910D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE28910E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE28910F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE28910G
		Dilution Factor: 1				
Sodium	**5000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE28910H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE28910J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE28910K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770F

DISSOLVED Metals

Lot-Sample #...: H7K180152-005 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3P310Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE3P3101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P310L
		Dilution Factor: 1				
Lead	**5.0**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE3P310M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P3102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3P3103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P310N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P3104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P310P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P3105
		Dilution Factor: 1				
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P3106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P3107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P3108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P3109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5770F

DISSOLVED Metals

Lot-Sample #...: H7K180152-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**12700**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P310A**
		Dilution Factor: 1				
Magnesium	**17800**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P310C**
		Dilution Factor: 1				
Manganese	**617**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P310D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P310E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3P310F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P310G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3P310H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P310J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE3P310K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5761F

DISSOLVED Metals

Lot-Sample #...: H7K180152-006 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3P410Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	**310**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P4101**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P410L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P410M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P4102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3P4103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P410N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P4104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P410P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P4105
		Dilution Factor: 1				
Calcium	**225000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P4106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P4107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P4108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P4109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5761F

DISSOLVED Metals

Lot-Sample #...: H7K180152-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**24900**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P410A**
		Dilution Factor: 1				
Magnesium	**34400**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P410C**
		Dilution Factor: 1				
Manganese	**475**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P410D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P410E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3P410F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P410G
		Dilution Factor: 1				
Sodium	**7920**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P410H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P410J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE3P410K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760F

DISSOLVED Metals

Lot-Sample #...: H7K180152-007 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	**0.68**	**0.20**	**ug/L**	**SW846 7470A**	**12/08-12/09/97**	**CE3P510Q**
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE3P5101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P510L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P510M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P5102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE3P5103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P510N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P5104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P510P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P5105
		Dilution Factor: 1				
Calcium	**216000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P5106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P5107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P5108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P5109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5760F

DISSOLVED Metals

Lot-Sample #...: H7K180152-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**22900**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P510A**
		Dilution Factor: 1				
Magnesium	**32300**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P510C**
		Dilution Factor: 1				
Manganese	**449**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P510D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P510E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE3P510F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P510G
		Dilution Factor: 1				
Sodium	**7130**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P510H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P510J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE3P510K
		Dilution Factor: 1				

INTB

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430F

DISSOLVED Metals

Lot-Sample #...: H7K180152-008 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE3P610Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE3P6101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P610L
		Dilution Factor: 1				
Lead	**3.0**	**3.0**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE3P610M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE3P6102
		Dilution Factor: 1				
Barium	**384**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P6103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P610N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P6104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE3P610P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE3P6105
		Dilution Factor: 1				
Calcium	**130000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE3P6106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P6107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P6108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE3P6109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5430F

DISSOLVED Metals

THAB

Lot-Sample #...: H7K180152-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	586	100	ug/L	SW846 6010A	12/08/97	CE3P610A
		Dilution Factor: 1				
Magnesium	51100	5000	ug/L	SW846 6010A	12/08/97	CE3P610C
		Dilution Factor: 1				
Manganese	71.0	15.0	ug/L	SW846 6010A	12/08/97	CE3P610D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE3P610E
		Dilution Factor: 1				
Potassium	10700	5000	ug/L	SW846 6010A	12/08/97	CE3P610F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE3P610G
		Dilution Factor: 1				
Sodium	153000	5000	ug/L	SW846 6010A	12/08/97	CE3P610H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE3P610J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE3P610K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600F

DISSOLVED Metals

Lot-Sample #...: H7K170117-008 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32L10Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32L101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32L10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32L10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32L102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32L103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32L10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32L104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32L10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32L105
		Dilution Factor: 1				
Calcium	**188000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32L106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32L107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32L108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32L109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

WA

Client Sample ID: 5600F

DISSOLVED Metals

Lot-Sample #...: H7K170117-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CE32L10A
		Dilution Factor: 1				
Magnesium	**86300**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32L10C**
		Dilution Factor: 1				
Manganese	**1630**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32L10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32L10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32L10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32L10G
		Dilution Factor: 1				
Sodium	**50200**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32L10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32L10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE32L10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730F

DISSOLVED Metals

Lot-Sample #...: H7K170117-009 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32M10Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32M101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32M10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32M10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32M102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32M103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32M10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32M104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32M10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32M105
		Dilution Factor: 1				
Calcium	**96700**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32M106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32M107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32M108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32M109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5730F

NA

DISSOLVED Metals

Lot-Sample #...: H7K170117-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CE32M10A
		Dilution Factor: 1				
Magnesium	**26200**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32M10C**
		Dilution Factor: 1				
Manganese	**65.4**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32M10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32M10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32M10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32M10G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32M10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32M10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE32M10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820F

DISSOLVED Metals

Lot-Sample #...: H7K170117-010 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32N10Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32N101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32N10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32N10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32N102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32N103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32N10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32N104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32N10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32N105
		Dilution Factor: 1				
Calcium	**127000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32N106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32N107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32N108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32N109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5820F

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DISSOLVED Metals

Lot-Sample #...: H7K170117-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CE32N10A
		Dilution Factor: 1				
Magnesium	**17900**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32N10C**
		Dilution Factor: 1				
Manganese	**149**	**15.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32N10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32N10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32N10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32N10G
		Dilution Factor: 1				
Sodium	**8360**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32N10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32N10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE32N10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840F

DISSOLVED Metals

Lot-Sample #...: H7K170117-011 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	**0.76**	**0.20**	**ug/L**	**SW846 7470A**	**12/08-12/09/97**	**CE32P10Q**
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32P101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32P10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32P10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32P102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CE32P103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32P10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32P104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32P10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32P105
		Dilution Factor: 1				
Calcium	**984000**	**20000**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32P106**
		Dilution Factor: 4				
Chromium	**14.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32P107**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32P108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32P109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5840F

DISSOLVED Metals

Lot-Sample #...: H7K170117-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2920	100	ug/L	SW846 6010A	12/08/97	CE32P10A
		Dilution Factor: 1				
Magnesium	41300	5000	ug/L	SW846 6010A	12/08/97	CE32P10C
		Dilution Factor: 1				
Manganese	562	15.0	ug/L	SW846 6010A	12/08/97	CE32P10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32P10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CE32P10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32P10G
		Dilution Factor: 1				
Sodium	8250	5000	ug/L	SW846 6010A	12/08/97	CE32P10H
		Dilution Factor: 1				
Vanadium	53.0	50.0	ug/L	SW846 6010A	12/08/97	CE32P10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CE32P10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890F

DISSOLVED Metals

Lot-Sample #...: H7K170117-012 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32Q10Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32Q101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32Q10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32Q10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32Q102
		Dilution Factor: 1				
Barium	**1680**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32Q10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32Q104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32Q10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32Q105
		Dilution Factor: 1				
Calcium	**270000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32Q107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32Q108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32Q109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5890F

DISSOLVED Metals

Lot-Sample #...: H7K170117-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**116**	**100**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q10A**
		Dilution Factor: 1				
Magnesium	**200000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q10C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/08/97	CE32Q10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32Q10E
		Dilution Factor: 1				
Potassium	**110000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32Q10G
		Dilution Factor: 1				
Sodium	**1510000**	**20000**	**ug/L**	**SW846 6010A**	**12/08-12/09/97**	**CE32Q10H**
		Dilution Factor: 4				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32Q10J
		Dilution Factor: 1				
Zinc	**30.1**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32Q10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950F

DISSOLVED Metals

Lot-Sample #...: H7K170117-013 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CE32R10Q
		Dilution Factor: 1				
Prep Batch #...: 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CE32R101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32R10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CE32R10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CE32R102
		Dilution Factor: 1				
Barium	**1520**	**200**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CE32R10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32R104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CE32R10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CE32R105
		Dilution Factor: 1				
Calcium	**220000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32R107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32R108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CE32R109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5950F

DISSOLVED Metals

Lot-Sample #...: H7K170117-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CE32R10A
		Dilution Factor: 1				
Magnesium	**65100**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R10C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/08/97	CE32R10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CE32R10E
		Dilution Factor: 1				
Potassium	**46200**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CE32R10G
		Dilution Factor: 1				
Sodium	**125000**	**5000**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CE32R10J
		Dilution Factor: 1				
Zinc	**57.4**	**20.0**	**ug/L**	**SW846 6010A**	**12/08/97**	**CE32R10K**
		Dilution Factor: 1				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L080000-104 **Prep Batch #...:** 7342104						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CEEFG101
		Dilution Factor: 1				
MB Lot-Sample #: H7L080000-109 **Prep Batch #...:** 7342109						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CEEFT10J
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFT10E
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CEEFT10K
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFT10F
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CEEFT10L
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFT10G
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CEEFT10M
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFT10H
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CEEFT10N
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFT10P
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CEEFT101
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CEEFT102
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CEEFT103
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CEEFT104
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFT105
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/08/97	CEEFT106
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CEEFT107
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFT108
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CEEFT109
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFT10A
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CEEFT10C
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CEEFT10D
		Dilution Factor: 1				

MB Lot-Sample #: H7K130000-201 **Prep Batch #...:** 7317201

Aluminum	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1A610G
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610C
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610H
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610D
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1A610J
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610E
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610K
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610F
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610L
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A610M
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610N
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610P
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6101
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010A	11/14-11/19/97	CE1A6102
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A6103
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6104
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6105
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A6106
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6107
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A6108
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6109
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A610A
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB010 Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L080000-105 **Prep Batch #...:** 7342105						
Mercury	ND	0.20	ug/L	SW846 7470A	12/08-12/09/97	CEEFJ101
		Dilution Factor: 1				
MB Lot-Sample #: H7L080000-110 **Prep Batch #...:** 7342110						
Aluminum	ND	200	ug/L	SW846 6010A	12/08/97	CEEFW10F
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFW10A
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/08/97	CEEFW10G
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFW10C
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/08/97	CEEFW10H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFW10D
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/08/97	CEEFW10J
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/08-12/09/97	CEEFW10E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/08/97	CEEFW10K
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFW10L
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/08/97	CEEFW10M
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/08/97	CEEFW10N
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/08/97	CEEFW10P
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/08/97	CEEFW101
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFW102
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/08/97	CEEFW103
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/08/97	CEEFW104
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFW105
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/08/97	CEEFW106
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/08/97	CEEFW107
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/08/97	CEEFW108
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/08/97	CEEFW109
		Dilution Factor: 1				

MB Lot-Sample #: H7K130000-201 **Prep Batch #...:** 7317201

Aluminum	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1A611W
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611R
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611X
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611T
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	11/14-11/19/97	CE1A6120
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611U
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6121
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611V
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6122
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A6123
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6124
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6125
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A6126
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010A	11/14-11/19/97	CE1A611G
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A611H
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611J
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611K
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A611L
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611M
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	11/14-11/19/97	CE1A611N
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611P
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	11/14-11/19/97	CE1A611Q
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K130155-001 **Prep Batch #...:** 7317201							
Aluminum	135 N	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX120
	113	(80 - 120)	17	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX121
		Dilution Factor: 1					
Arsenic	101	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11P
	99	(80 - 120)	1.5	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11Q
		Dilution Factor: 1					
Antimony	112	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX122
	111	(80 - 120)	1.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX123
		Dilution Factor: 1					
Lead	100	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11R
	105	(80 - 120)	5.0	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11T
		Dilution Factor: 1					
Barium	102	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX124
	102	(80 - 120)	0.35	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX125
		Dilution Factor: 1					
Selenium	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11U
	102	(80 - 120)	1.1	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11V
		Dilution Factor: 1					
Beryllium	105	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX126
	105	(80 - 120)	0.18	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX127
		Dilution Factor: 1					
Thallium	97	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11W
	96	(80 - 120)	0.70	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11X
		Dilution Factor: 1					
Cadmium	105	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX128
	103	(80 - 120)	1.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX129
		Dilution Factor: 1					
Calcium	109	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX12A
	110	(80 - 120)	0.57	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX12C
		Dilution Factor: 1					
Chromium	108	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX10W
	108	(80 - 120)	0.28	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX10X
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX110
	103	(80 - 120)	0.26	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX111
		Dilution Factor: 1					
Copper	106	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX112
	105	(80 - 120)	0.30	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX113
		Dilution Factor: 1					
Iron	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX114
	115	(80 - 120)	10	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX115
		Dilution Factor: 1					
Magnesium	113	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX116
	113	(80 - 120)	0.37	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX117
		Dilution Factor: 1					
Manganese	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX118
	102	(80 - 120)	0.09	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX119
		Dilution Factor: 1					
Nickel	106	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11A
	106	(80 - 120)	0.80	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11C
		Dilution Factor: 1					
Potassium	112	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11D
	111	(80 - 120)	0.77	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11E
		Dilution Factor: 1					
Silver	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11F
	106	(80 - 120)	3.2	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11G
		Dilution Factor: 1					
Sodium	111	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11H
	110	(80 - 120)	0.69	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11J
		Dilution Factor: 1					
Vanadium	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11K
	103	(80 - 120)	0.82	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11L
		Dilution Factor: 1					
Zinc	109	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1JX11M
	111	(80 - 120)	0.92	(0-20)	SW846 6010A	11/14-11/19/97	CE1JX11N
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K130155-002 **Prep Batch #...:** 7317201							
Aluminum	109	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011M
	102	(80 - 120)	5.7	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011N
		Dilution Factor: 1					
Arsenic	101	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011D
	100	(80 - 120)	0.52	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011E
		Dilution Factor: 1					
Antimony	112	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011P
	109	(80 - 120)	2.1	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011Q
		Dilution Factor: 1					
Lead	100	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011F
	100	(80 - 120)	0.09	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011G
		Dilution Factor: 1					
Barium	105	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011R
	101	(80 - 120)	3.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011T
		Dilution Factor: 1					
Selenium	103	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011H
	103	(80 - 120)	0.21	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011J
		Dilution Factor: 1					
Beryllium	108	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011U
	106	(80 - 120)	2.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011V
		Dilution Factor: 1					
Thallium	97	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011K
	97	(80 - 120)	0.0	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011L
		Dilution Factor: 1					
Cadmium	114	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011W
	108	(80 - 120)	5.8	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011X
		Dilution Factor: 1					
Calcium	109	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0120
	104	(80 - 120)	2.8	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0121
		Dilution Factor: 1					
Chromium	114	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0122
	111	(80 - 120)	2.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0123
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	106	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0124
	104	(80 - 120)	1.8	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0125
		Dilution Factor: 1					
Copper	112	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0126
	100	(80 - 120)	7.5	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0127
		Dilution Factor: 1					
Iron	112	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K010R
	104	(80 - 120)	7.2	(0-20)	SW846 6010A	11/14-11/19/97	CE1K010T
		Dilution Factor: 1					
Magnesium	115	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K010U
	111	(80 - 120)	3.0	(0-20)	SW846 6010A	11/14-11/19/97	CE1K010V
		Dilution Factor: 1					
Manganese	105	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K010W
	103	(80 - 120)	1.9	(0-20)	SW846 6010A	11/14-11/19/97	CE1K010X
		Dilution Factor: 1					
Nickel	110	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0110
	106	(80 - 120)	3.4	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0111
		Dilution Factor: 1					
Potassium	115	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0112
	112	(80 - 120)	2.6	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0113
		Dilution Factor: 1					
Silver	110	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0114
	108	(80 - 120)	1.9	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0115
		Dilution Factor: 1					
Sodium	114	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0116
	108	(80 - 120)	4.5	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0117
		Dilution Factor: 1					
Vanadium	106	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K0118
	105	(80 - 120)	0.89	(0-20)	SW846 6010A	11/14-11/19/97	CE1K0119
		Dilution Factor: 1					
Zinc	111	(80 - 120)			SW846 6010A	11/14-11/19/97	CE1K011A
	109	(80 - 120)	2.3	(0-20)	SW846 6010A	11/14-11/19/97	CE1K011C
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K170117-009 **Prep Batch #...:** 7342105							
Mercury	101	(75 - 125)			SW846 7470A	12/08-12/09/97	CE32M128
	96	(75 - 125)	5.5	(0-20)	SW846 7470A	12/08-12/09/97	CE32M129
		Dilution Factor: 1					
MS Lot-Sample #: H7K170117-009 **Prep Batch #...:** 7342110							
Aluminum	104	(80 - 120)			SW846 6010A	12/08/97	CE32M10R
	104	(80 - 120)	0.37	(0-20)	SW846 6010A	12/08/97	CE32M10T
		Dilution Factor: 1					
Arsenic	117	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32M120
	116	(80 - 120)	0.55	(0-20)	SW846 6010A	12/08-12/09/97	CE32M121
		Dilution Factor: 1					
Antimony	110	(80 - 120)			SW846 6010A	12/08/97	CE32M10U
	111	(80 - 120)	0.37	(0-20)	SW846 6010A	12/08/97	CE32M10V
		Dilution Factor: 1					
Lead	115	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32M122
	113	(80 - 120)	1.1	(0-20)	SW846 6010A	12/08-12/09/97	CE32M123
		Dilution Factor: 1					
Barium	102	(80 - 120)			SW846 6010A	12/08/97	CE32M10W
	101	(80 - 120)	1.1	(0-20)	SW846 6010A	12/08/97	CE32M10X
		Dilution Factor: 1					
Selenium	119	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32M124
	118	(80 - 120)	1.2	(0-20)	SW846 6010A	12/08-12/09/97	CE32M125
		Dilution Factor: 1					
Beryllium	111	(80 - 120)			SW846 6010A	12/08/97	CE32M110
	111	(80 - 120)	0.19	(0-20)	SW846 6010A	12/08/97	CE32M111
		Dilution Factor: 1					
Thallium	112	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32M126
	111	(80 - 120)	0.63	(0-20)	SW846 6010A	12/08-12/09/97	CE32M127
		Dilution Factor: 1					
Cadmium	102	(80 - 120)			SW846 6010A	12/08/97	CE32M112
	104	(80 - 120)	2.2	(0-20)	SW846 6010A	12/08/97	CE32M113
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	115	(80 - 120)			SW846 6010A	12/08/97	CE32M114
	116	(80 - 120)	0.34	(0-20)	SW846 6010A	12/08/97	CE32M115
		Dilution Factor: 1					
Chromium	109	(80 - 120)			SW846 6010A	12/08/97	CE32M116
	109	(80 - 120)	0.45	(0-20)	SW846 6010A	12/08/97	CE32M117
		Dilution Factor: 1					
Cobalt	102	(80 - 120)			SW846 6010A	12/08/97	CE32M118
	101	(80 - 120)	1.1	(0-20)	SW846 6010A	12/08/97	CE32M119
		Dilution Factor: 1					
Copper	108	(80 - 120)			SW846 6010A	12/08/97	CE32M11A
	107	(80 - 120)	0.94	(0-20)	SW846 6010A	12/08/97	CE32M11C
		Dilution Factor: 1					
Iron	104	(80 - 120)			SW846 6010A	12/08/97	CE32M11D
	106	(80 - 120)	1.5	(0-20)	SW846 6010A	12/08/97	CE32M11E
		Dilution Factor: 1					
Magnesium	114	(80 - 120)			SW846 6010A	12/08/97	CE32M11F
	113	(80 - 120)	0.58	(0-20)	SW846 6010A	12/08/97	CE32M11G
		Dilution Factor: 1					
Manganese	103	(80 - 120)			SW846 6010A	12/08/97	CE32M11H
	102	(80 - 120)	0.36	(0-20)	SW846 6010A	12/08/97	CE32M11J
		Dilution Factor: 1					
Nickel	105	(80 - 120)			SW846 6010A	12/08/97	CE32M11K
	106	(80 - 120)	0.83	(0-20)	SW846 6010A	12/08/97	CE32M11L
		Dilution Factor: 1					
Potassium	110	(80 - 120)			SW846 6010A	12/08/97	CE32M11M
	109	(80 - 120)	0.58	(0-20)	SW846 6010A	12/08/97	CE32M11N
		Dilution Factor: 1					
Silver	105	(80 - 120)			SW846 6010A	12/08/97	CE32M11P
	103	(80 - 120)	1.6	(0-20)	SW846 6010A	12/08/97	CE32M11Q
		Dilution Factor: 1					
Sodium	110	(80 - 120)			SW846 6010A	12/08/97	CE32M11R
	109	(80 - 120)	1.1	(0-20)	SW846 6010A	12/08/97	CE32M11T
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	103	(80 - 120)			SW846 6010A	12/08/97	CE32M11U
	102	(80 - 120)	0.73	(0-20)	SW846 6010A	12/08/97	CE32M11V
		Dilution Factor: 1					
Zinc	107	(80 - 120)			SW846 6010A	12/08/97	CE32M11W
	106	(80 - 120)	1.4	(0-20)	SW846 6010A	12/08/97	CE32M11X
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K170117-002 **Prep Batch #...:** 7342104							
Mercury	102	(75 - 125)			SW846 7470A	12/08-12/09/97	CE32812J
	109	(75 - 125)	6.6	(0-20)	SW846 7470A	12/08-12/09/97	CE32812K
		Dilution Factor: 1					
MS Lot-Sample #: H7K170117-002 **Prep Batch #...:** 7342109							
Aluminum	100	(80 - 120)			SW846 6010A	12/08/97	CE32810C
	111	(80 - 120)	6.7	(0-20)	SW846 6010A	12/08/97	CE32810D
		Dilution Factor: 1					
Arsenic	96	(80 - 120)			SW846 6010A	12/08-12/09/97	CE328125
	99	(80 - 120)	3.8	(0-20)	SW846 6010A	12/08-12/09/97	CE328126
		Dilution Factor: 1					
Antimony	90	(80 - 120)			SW846 6010A	12/08/97	CE32810F
	95	(80 - 120)	5.6	(0-20)	SW846 6010A	12/08/97	CE32810G
		Dilution Factor: 1					
Lead	93	(80 - 120)			SW846 6010A	12/08-12/09/97	CE328128
	97	(80 - 120)	4.3	(0-20)	SW846 6010A	12/08-12/09/97	CE328129
		Dilution Factor: 1					
Barium	84	(80 - 120)			SW846 6010A	12/08/97	CE32810J
	90	(80 - 120)	7.1	(0-20)	SW846 6010A	12/08/97	CE32810K
		Dilution Factor: 1					
Selenium	97	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32812C
	100	(80 - 120)	3.4	(0-20)	SW846 6010A	12/08-12/09/97	CE32812D
		Dilution Factor: 1					
Beryllium	93	(80 - 120)			SW846 6010A	12/08/97	CE32810M
	98	(80 - 120)	5.8	(0-20)	SW846 6010A	12/08/97	CE32810N
		Dilution Factor: 1					
Thallium	90	(80 - 120)			SW846 6010A	12/08-12/09/97	CE32812F
	94	(80 - 120)	3.9	(0-20)	SW846 6010A	12/08-12/09/97	CE32812G
		Dilution Factor: 1					
Cadmium	88	(80 - 120)			SW846 6010A	12/08/97	CE32810Q
	88	(80 - 120)	0.36	(0-20)	SW846 6010A	12/08/97	CE32810R
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	58 N	(80 - 120)			SW846 6010A	12/08/97	CE32810U
	85	(80 - 120)	10	(0-20)	SW846 6010A	12/08/97	CE32810V
		Dilution Factor: 1					
Chromium	88	(80 - 120)			SW846 6010A	12/08/97	CE32810X
	92	(80 - 120)	4.4	(0-20)	SW846 6010A	12/08/97	CE328110
		Dilution Factor: 1					
Cobalt	86	(80 - 120)			SW846 6010A	12/08/97	CE328112
	89	(80 - 120)	4.4	(0-20)	SW846 6010A	12/08/97	CE328113
		Dilution Factor: 1					
Copper	86	(80 - 120)			SW846 6010A	12/08/97	CE328115
	92	(80 - 120)	7.1	(0-20)	SW846 6010A	12/08/97	CE328116
		Dilution Factor: 1					
Iron	78 N	(80 - 120)			SW846 6010A	12/08/97	CE328118
	95	(80 - 120)	5.6	(0-20)	SW846 6010A	12/08/97	CE328119
		Dilution Factor: 1					
Magnesium	84	(80 - 120)			SW846 6010A	12/08/97	CE32811C
	97	(80 - 120)	8.8	(0-20)	SW846 6010A	12/08/97	CE32811D
		Dilution Factor: 1					
Manganese	82	(80 - 120)			SW846 6010A	12/08/97	CE32811F
	90	(80 - 120)	7.6	(0-20)	SW846 6010A	12/08/97	CE32811G
		Dilution Factor: 1					
Nickel	88	(80 - 120)			SW846 6010A	12/08/97	CE32811J
	93	(80 - 120)	5.5	(0-20)	SW846 6010A	12/08/97	CE32811K
		Dilution Factor: 1					
Potassium	90	(80 - 120)			SW846 6010A	12/08/97	CE32811M
	97	(80 - 120)	7.2	(0-20)	SW846 6010A	12/08/97	CE32811N
		Dilution Factor: 1					
Silver	87	(80 - 120)			SW846 6010A	12/08/97	CE32811Q
	91	(80 - 120)	5.0	(0-20)	SW846 6010A	12/08/97	CE32811R
		Dilution Factor: 1					
Sodium	89	(80 - 120)			SW846 6010A	12/08/97	CE32811U
	97	(80 - 120)	7.6	(0-20)	SW846 6010A	12/08/97	CE32811V
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/17/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	86	(80 - 120)			SW846 6010A	12/08/97	CE32811X
	90	(80 - 120)	4.1	(0-20)	SW846 6010A	12/08/97	CE328120
		Dilution Factor: 1					
Zinc	86	(80 - 120)			SW846 6010A	12/08/97	CE328122
	91	(80 - 120)	4.8	(0-20)	SW846 6010A	12/08/97	CE328123
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7K130000-201 **Prep Batch #...:** 7317201					
Copper	105	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610Q
		Dilution Factor: 1			
Iron	104	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610R
		Dilution Factor: 1			
Magnesium	112	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610T
		Dilution Factor: 1			
Manganese	102	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610U
		Dilution Factor: 1			
Nickel	105	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610V
		Dilution Factor: 1			
Potassium	110	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610W
		Dilution Factor: 1			
Silver	106	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A610X
		Dilution Factor: 1			
Beryllium	99	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A611A
		Dilution Factor: 1			
Cadmium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A611C
		Dilution Factor: 1			
Calcium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A611D
		Dilution Factor: 1			
Chromium	107	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A611E
		Dilution Factor: 1			
Cobalt	101	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A611F
		Dilution Factor: 1			
Sodium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6110
		Dilution Factor: 1			
Vanadium	102	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6111
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6112
		Dilution Factor: 1			
Arsenic	96	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6113
		Dilution Factor: 1			
Lead	96	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6114
		Dilution Factor: 1			
Selenium	101	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6115
		Dilution Factor: 1			
Thallium	97	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6116
		Dilution Factor: 1			
Aluminum	103	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6117
		Dilution Factor: 1			
Antimony	106	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6118
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6119
		Dilution Factor: 1			
LCS Lot-Sample#: H7L080000-104 **Prep Batch #...:** 7342104					
Mercury	97	(80 - 120)	SW846 7470A	12/08-12/09/97	CEEFG102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L080000-109 **Prep Batch #...:** 7342109					
Chromium	107	(80 - 120)	SW846 6010A	12/08/97	CEEFT10Q
		Dilution Factor: 1			
Cobalt	101	(80 - 120)	SW846 6010A	12/08/97	CEEFT10R
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/08/97	CEEFT10T
		Dilution Factor: 1			
Iron	107	(80 - 120)	SW846 6010A	12/08/97	CEEFT10U
		Dilution Factor: 1			
Magnesium	108	(80 - 120)	SW846 6010A	12/08/97	CEEFT10V
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	102	(80 - 120)	SW846 6010A	12/08/97	CEEFT10W
		Dilution Factor: 1			
Nickel	104	(80 - 120)	SW846 6010A	12/08/97	CEEFT10X
		Dilution Factor: 1			
Antimony	104	(80 - 120)	SW846 6010A	12/08/97	CEEFT11A
		Dilution Factor: 1			
Barium	101	(80 - 120)	SW846 6010A	12/08/97	CEEFT11C
		Dilution Factor: 1			
Beryllium	109	(80 - 120)	SW846 6010A	12/08/97	CEEFT11D
		Dilution Factor: 1			
Cadmium	101	(80 - 120)	SW846 6010A	12/08/97	CEEFT11E
		Dilution Factor: 1			
Calcium	107	(80 - 120)	SW846 6010A	12/08/97	CEEFT11F
		Dilution Factor: 1			
Potassium	105	(80 - 120)	SW846 6010A	12/08/97	CEEFT110
		Dilution Factor: 1			
Silver	102	(80 - 120)	SW846 6010A	12/08/97	CEEFT111
		Dilution Factor: 1			
Sodium	107	(80 - 120)	SW846 6010A	12/08/97	CEEFT112
		Dilution Factor: 1			
Vanadium	102	(80 - 120)	SW846 6010A	12/08/97	CEEFT113
		Dilution Factor: 1			
Zinc	106	(80 - 120)	SW846 6010A	12/08/97	CEEFT114
		Dilution Factor: 1			
Arsenic	95	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFT115
		Dilution Factor: 1			
Lead	96	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFT116
		Dilution Factor: 1			
Selenium	91	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFT117
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	94	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFT118
		Dilution Factor: 1			
Aluminum	104	(80 - 120)	SW846 6010A	12/08/97	CEEFT119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7K130000-201 **Prep Batch #...:** 7317201					
Nickel	105	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612A
		Dilution Factor: 1			
Potassium	110	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612C
		Dilution Factor: 1			
Silver	106	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612D
		Dilution Factor: 1			
Sodium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612E
		Dilution Factor: 1			
Vanadium	102	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612F
		Dilution Factor: 1			
Zinc	107	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612G
		Dilution Factor: 1			
Arsenic	96	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612H
		Dilution Factor: 1			
Lead	96	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612J
		Dilution Factor: 1			
Selenium	101	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612K
		Dilution Factor: 1			
Thallium	97	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612L
		Dilution Factor: 1			
Aluminum	103	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612M
		Dilution Factor: 1			
Antimony	106	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612N
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612P
		Dilution Factor: 1			
Beryllium	99	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612Q
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612R
		Dilution Factor: 1			
Calcium	109	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612T
		Dilution Factor: 1			
Chromium	107	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612U
		Dilution Factor: 1			
Cobalt	101	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612V
		Dilution Factor: 1			
Copper	105	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A612W
		Dilution Factor: 1			
Iron	104	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6127
		Dilution Factor: 1			
Magnesium	112	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6128
		Dilution Factor: 1			
Manganese	102	(80 - 120)	SW846 6010A	11/14-11/19/97	CE1A6129
		Dilution Factor: 1			
LCS Lot-Sample#: H7L080000-105 **Prep Batch #...:** 7342105					
Mercury	97	(80 - 120)	SW846 7470A	12/08-12/09/97	CEEFJ102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L080000-110 **Prep Batch #...:** 7342110					
Iron	107	(80 - 120)	SW846 6010A	12/08/97	CEEFW10Q
		Dilution Factor: 1			
Magnesium	110	(80 - 120)	SW846 6010A	12/08/97	CEEFW10R
		Dilution Factor: 1			
Manganese	106	(80 - 120)	SW846 6010A	12/08/97	CEEFW10T
		Dilution Factor: 1			
Nickel	107	(80 - 120)	SW846 6010A	12/08/97	CEEFW10U
		Dilution Factor: 1			
Potassium	108	(80 - 120)	SW846 6010A	12/08/97	CEEFW10V
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	105	(80 - 120)	SW846 6010A	12/08/97	CEEFW10W
		Dilution Factor: 1			
Sodium	107	(80 - 120)	SW846 6010A	12/08/97	CEEFW10X
		Dilution Factor: 1			
Cadmium	106	(80 - 120)	SW846 6010A	12/08/97	CEEFW11A
		Dilution Factor: 1			
Calcium	110	(80 - 120)	SW846 6010A	12/08/97	CEEFW11C
		Dilution Factor: 1			
Chromium	109	(80 - 120)	SW846 6010A	12/08/97	CEEFW11D
		Dilution Factor: 1			
Cobalt	103	(80 - 120)	SW846 6010A	12/08/97	CEEFW11E
		Dilution Factor: 1			
Copper	107	(80 - 120)	SW846 6010A	12/08/97	CEEFW11F
		Dilution Factor: 1			
Vanadium	104	(80 - 120)	SW846 6010A	12/08/97	CEEFW110
		Dilution Factor: 1			
Zinc	113	(80 - 120)	SW846 6010A	12/08/97	CEEFW111
		Dilution Factor: 1			
Arsenic	103	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFW112
		Dilution Factor: 1			
Lead	104	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFW113
		Dilution Factor: 1			
Selenium	103	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFW114
		Dilution Factor: 1			
Thallium	98	(80 - 120)	SW846 6010A	12/08-12/09/97	CEEFW115
		Dilution Factor: 1			
Aluminum	102	(80 - 120)	SW846 6010A	12/08/97	CEEFW116
		Dilution Factor: 1			
Antimony	108	(80 - 120)	SW846 6010A	12/08/97	CEEFW117
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	102	(80 - 120)	SW846 6010A	12/08/97	CEEFW118
		Dilution Factor: 1			
Beryllium	112	(80 - 120)	SW846 6010A	12/08/97	CEEFW119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5480

General Chemistry

Lot-Sample #...: H7K140159-001 **Work Order #...:** CE27G **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**280**	**5.0**	**mg/L**	**MCAWW 310.1**	**11/21/97**	**7325229**
	Dilution Factor: 1					
Chloride - Automated	**2**	**1**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
	Dilution Factor: 1					
Hardness, as CaCO3	**500**	**4**	**mg/L**	**MCAWW 130.2**	**12/02/97**	**7323132**
	Dilution Factor: 2					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/14/97	7321168
	Dilution Factor: 1					
Sulfate	**140**	**20**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
	Dilution Factor: 4					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	**640**	**10**	**mg/L**	**MCAWW 160.1**	**11/18-11/19/97**	**7324169**
	Dilution Factor: 1					
Total Organic Carbon	**3.8**	**1.0**	**mg/L**	**SW846 9060**	**12/04/97**	**7339221**
	Dilution Factor: 1					
Total Suspended Solids	**11**	**4.0**	**mg/L**	**MCAWW 160.2**	**11/18-11/19/97**	**7324171**
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.59 - 4.06

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

General Chemistry

Lot-Sample #...: H7K140159-004 **Work Order #...:** CE2GQ **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**14**	**1**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
		Dilution Factor: 1				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/14/97	7321168
		Dilution Factor: 1				
Sulfate	**270**	**50**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
		Dilution Factor: 10				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

General Chemistry

Lot-Sample #...: H7K140159-005 **Work Order #...:** CE2GT **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**6**	**1**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
	Dilution Factor: 1					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/14/97	7321168
	Dilution Factor: 1					
Sulfate	**1200**	**500**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
	Dilution Factor: 100					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

General Chemistry

Lot-Sample #...: H7K140159-006 **Work Order #...:** CE2GX **Matrix.....:** WATER
Date Sampled...: 11/13/97 **Date Received..:** 11/14/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**2500**	**50**	**mg/L**	**MCAWW 325.2**	**12/08/97**	**7344219**
	Dilution Factor: 50					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/14/97	7321168
	Dilution Factor: 1					
Sulfate	**13**	**10**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
	Dilution Factor: 2					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

General Chemistry

Lot-Sample #...: H7K150112-001 Work Order #...: CE2NG Matrix.....: WATER
Date Sampled...: 11/14/97 Date Received..: 11/15/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	17	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Nitrate	0.1	0.1	mg/L	MCAWW 353.2	11/15/97	7321172
	Dilution Factor: 1					
Sulfate	300	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

General Chemistry

Lot-Sample #...: H7K150112-002 **Work Order #...:** CE2NH **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/15/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**7**	**1**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
		Dilution Factor: 1				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/15/97	7321172
		Dilution Factor: 1				
Sulfate	**36**	**10**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
		Dilution Factor: 2				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

General Chemistry

Lot-Sample #...: H7K150112-003 **Work Order #...:** CE2NJ **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/15/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**330**	**10**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
		Dilution Factor: 10				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/15/97	7321172
		Dilution Factor: 1				
Sulfate	**14**	**5**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5600

General Chemistry

Lot-Sample #...: H7K170117-001 Work Order #...: CE327 Matrix.....: WATER
Date Sampled...: 11/14/97 Date Received..: 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	45	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Hardness, as CaCO3	760	8	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 4					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	930	10	mg/L	MCAWW 160.1	11/18-11/19/97	7324169
	Dilution Factor: 1					
Total Organic Carbon	2.7	2.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	37	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.59 - 2.86

IT CORPORATION - KNOXVILLE

Client Sample ID: 5730

General Chemistry

Lot-Sample #...: H7K170117-002 **Work Order #...:** CE328 **Matrix.....:** WATER
Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**450**	**5.0**	**mg/L**	**MCAWW 310.1**	**11/21/97**	**7325229**
	Dilution Factor: 1					
Hardness, as CaCO3	**370**	**4**	**mg/L**	**MCAWW 130.2**	**12/02/97**	**7323132**
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	**350**	**10**	**mg/L**	**MCAWW 160.1**	**11/18-11/19/97**	**7324169**
	Dilution Factor: 1					
Total Organic Carbon	**1.4**	**1.0**	**mg/L**	**SW846 9060**	**12/04/97**	**7339221**
	Dilution Factor: 1					
Total Suspended Solids	**35**	**4.0**	**mg/L**	**MCAWW 160.2**	**11/18-11/19/97**	**7324171**
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 1.33 - 1.43

IT CORPORATION - KNOXVILLE

Client Sample ID: 5820

General Chemistry

Lot-Sample #...: H7K170117-003 Work Order #...: CE32C Matrix.....: WATER
Date Sampled...: 11/14/97 Date Received..: 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	280	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Hardness, as CaCO3	420	4	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	360	10	mg/L	MCAWW 160.1	11/18-11/19/97	7324169
	Dilution Factor: 1					
Total Organic Carbon	11	2.0	mg/L	SW846 9060	12/04/97	7339221
	Dilution Factor: 2					
Total Suspended Solids	150	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 9.95 - 11.34

IT CORPORATION - KNOXVILLE

Client Sample ID: 5840

General Chemistry

Lot-Sample #...: H7K170117-004 Work Order #...: CE32D Matrix.....: WATER
Date Sampled...: 11/13/97 Date Received..: 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	370	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Hardness, as CaCO3	1900	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	2400	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	21	2.0	mg/L	SW846 9060	12/04/97	7339221
	Dilution Factor: 2					
Total Suspended Solids	400	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 20.8 - 21.43

IT CORPORATION - KNOXVILLE

Client Sample ID: 5890

General Chemistry

Lot-Sample #...: H7K170117-005 Work Order #...: CE32E Matrix.....: WATER
Date Sampled...: 11/13/97 Date Received..: 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	430	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Hardness, as CaCO3	1600	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	4800	40	mg/L	MCAWW 160.1	11/18-11/19/97	7324169
	Dilution Factor: 4					
Total Organic Carbon	9.6	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	16	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.66 - 4.09

IT CORPORATION - KNOXVILLE

Client Sample ID: 5950

General Chemistry

Lot-Sample #...: H7K170117-006 Work Order #...: CE32G Matrix.....: WATER
Date Sampled...: 11/14/97 Date Received..: 11/17/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	310	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Hardness, as CaCO3	1700	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	11/18-11/19/97	7324169
	Dilution Factor: 1					
Total Organic Carbon	16	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	41	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 15.2 - 15.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5770

General Chemistry

Lot-Sample #...: H7K180152-001 Work Order #...: CE3NW Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	110	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Hardness, as CaCO3	300	2	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 1					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	160	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	350	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	2.6	1.0	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.46 - 2.66

IT CORPORATION - KNOXVILLE

Client Sample ID: 5760

General Chemistry

Lot-Sample #...: H7K180152-003 Work Order #...: CE3P0 Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	120	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Chloride - Automated	8	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Hardness, as CaCO3	560	4	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 2					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	280	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
	Dilution Factor: 1					
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	6.1	1.0	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 1					
Total Suspended Solids	190	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 6.03 - 6.23

IT CORPORATION - KNOXVILLE

Client Sample ID: 5430

General Chemistry

Lot-Sample #...: H7K180152-004 Work Order #...: CE3P1 Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	220	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1					
Chloride - Automated	91	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Hardness, as CaCO3	450	4	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 2					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	90	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	760	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	5.0	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.49 - 5.59

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CE65W101		MB Lot-Sample #:	B7K210000-229	
	ND	5.0	mg/L	MCAWW 310.1	11/21/97	7325229
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CEA60101		MB Lot-Sample #:	B7L010000-144	
	ND	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFTP101		MB Lot-Sample #:	B7L100000-217	
	ND	1	mg/L	MCAWW 325.2	12/05/97	7344217
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFV1101		MB Lot-Sample #:	B7L100000-219	
	ND	1	mg/L	MCAWW 325.2	12/08/97	7344219
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CE3RW101		MB Lot-Sample #:	B7K190000-132	
	ND	2	mg/L	MCAWW 130.2	12/02/97	7323132
		Dilution Factor: 1				
Nitrate		Work Order #: CE2X4101		MB Lot-Sample #:	B7K170000-168	
	ND	0.1	mg/L	MCAWW 353.2	11/14/97	7321168
		Dilution Factor: 1				
Nitrate		Work Order #: CE2XC101		MB Lot-Sample #:	B7K170000-172	
	ND	0.1	mg/L	MCAWW 353.2	11/15/97	7321172
		Dilution Factor: 1				
Nitrate		Work Order #: CE3V7101		MB Lot-Sample #:	B7K190000-149	
	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
		Dilution Factor: 1				
Sulfate		Work Order #: CE8RF101		MB Lot-Sample #:	B7K260000-112	
	ND	5	mg/L	MCAWW 375.4	11/25/97	7330112
		Dilution Factor: 1				
Total Cyanide		Work Order #: CE9VP101		MB Lot-Sample #:	H7K280000-123	
	ND	0.010	mg/L	SW846 9010A	11/21/97	7332123
		Dilution Factor: 1				
Total Cyanide		Work Order #: CE9WF101		MB Lot-Sample #:	H7K280000-127	
	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: CE4GM101		MB Lot-Sample #:	B7K200000-169	
	ND	10	mg/L	MCAWW 160.1	11/18-11/19/97	7324169
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CE82J101		MB Lot-Sample #:	B7K250000-139	
	ND	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEAAL101		MB Lot-Sample #:	B7L010000-221	
	ND	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEDXF101		MB Lot-Sample #:	B7L050000-221	
	ND	1.0	mg/L	SW846 9060	12/04/97	7339221
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEHJ6101		MB Lot-Sample #:	B7L120000-219	
	ND	1.0	mg/L	SW846 9060	12/10/97	7346219
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CE4GP101		MB Lot-Sample #:	B7K200000-171	
	ND	4.0	mg/L	MCAWW 160.2	11/18-11/19/97	7324171
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CE82H101		MB Lot-Sample #:	B7K250000-138	
	ND	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB010 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		WO#: CE27G11A-MS/CE27G11C-MSD				MS Lot-Sample #: H7K140159-001	
	102	(90 - 114)			MCAWW 325.2	12/05/97	7344217
	101	(90 - 114)	0.39	(0-12)	MCAWW 325.2	12/05/97	7344217
		Dilution Factor: 1					
Hardness, as CaCO3		WO#: CE32812M-MS/CE32812X-MSD				MS Lot-Sample #: H7K170117-002	
	106	(90 - 110)			MCAWW 130.2	12/02/97	7323132
	104	(90 - 110)	0.69	(0-20)	MCAWW 130.2	12/02/97	7323132
		Dilution Factor: 1					
Total Organic Carbon		WO#: CE27G118-MS/CE27G119-MSD				MS Lot-Sample #: H7K140159-001	
	104	(90 - 112)			SW846 9060	12/04/97	7339221
	102	(90 - 112)	1.2	(0-20)	SW846 9060	12/04/97	7339221
		Dilution Factor: 1					
Total Organic Carbon		WO#: CE55H109-MS/CE55H10A-MSD				MS Lot-Sample #: H7K200176-004	
	106	(90 - 112)			SW846 9060	12/10-12/12/97	7346219
	107	(90 - 112)	0.53	(0-20)	SW846 9060	12/10-12/12/97	7346219
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H7K130155 **Work Order #...:** CE328-SMP CE328-DUP **Matrix.....:** WATER

Date Sampled...: 11/14/97 **Date Received..:** 11/17/97

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: H7K170117-002		
	35	31	mg/L	12	(0-20)	MCAWW 160.2	11/18-11/19/97	7324171

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH	WO#:CEA60102-LCS/CEA60103-LCSD LCS Lot-Sample#: B7L010000-144						
	102	(90 - 110)			MCAWW 310.1	11/26/97	7335144
	102	(90 - 110)	0.0	(0-20)	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1						
Alkalinity as CaCO3 to pH	WO#:CE65W102-LCS/CE65W103-LCSD LCS Lot-Sample#: B7K210000-229						
	102	(90 - 110)			MCAWW 310.1	11/21/97	7325229
	102	(90 - 110)	0.0	(0-20)	MCAWW 310.1	11/21/97	7325229
	Dilution Factor: 1						
Chloride - Automated	WO#:CEFTP102-LCS/CEFTP103-LCSD LCS Lot-Sample#: B7L100000-217						
	107	(90 - 115)			MCAWW 325.2	12/05/97	7344217
	108	(90 - 115)	0.07	(0-20)	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1						
Chloride - Automated	WO#:CEFV1102-LCS/CEFV1103-LCSD LCS Lot-Sample#: B7L100000-219						
	105	(90 - 115)			MCAWW 325.2	12/08/97	7344219
	97	(90 - 115)	7.7	(0-20)	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1						
Hardness, as CaCO3	WO#:CE3RW102-LCS/CE3RW103-LCSD LCS Lot-Sample#: B7K190000-132						
	100	(90 - 110)			MCAWW 130.2	12/02/97	7323132
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 1						
Nitrate	WO#:CE2XC102-LCS/CE2XC103-LCSD LCS Lot-Sample#: B7K170000-172						
	103	(90 - 110)			MCAWW 353.2	11/15/97	7321172
	105	(90 - 110)	1.9	(0-20)	MCAWW 353.2	11/15/97	7321172
	Dilution Factor: 1						
Nitrate	WO#:CE2X4102-LCS/CE2X4103-LCSD LCS Lot-Sample#: B7K170000-168						
	106	(90 - 110)			MCAWW 353.2	11/14/97	7321168
	101	(90 - 110)	4.6	(0-20)	MCAWW 353.2	11/14/97	7321168
	Dilution Factor: 1						
Nitrate	WO#:CE3V7102-LCS/CE3V7103-LCSD LCS Lot-Sample#: B7K190000-149						
	94	(90 - 110)			MCAWW 353.2	11/18/97	7323149
	99	(90 - 110)	5.5	(0-20)	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:CE8RF102-LCS/CE8RF103-LCSD				LCS Lot-Sample#: B7K260000-112	
	90	(90 - 110)			MCAWW 375.4	11/25/97	7330112
	93	(90 - 110)	3.1	(0-20)	MCAWW 375.4	11/25/97	7330112
		Dilution Factor: 1					
Total Cyanide		WO#:CE9VP102-LCS/CE9VP103-LCSD				LCS Lot-Sample#: H7K280000-123	
	106	(81 - 110)			SW846 9010A	11/21/97	7332123
	106	(81 - 110)	0.47	(0-20)	SW846 9010A	11/21/97	7332123
		Dilution Factor: 1					
Total Cyanide		WO#:CE9WF102-LCS/CE9WF103-LCSD				LCS Lot-Sample#: H7K280000-127	
	96	(81 - 110)			SW846 9010A	11/24-11/25/97	7332127
	96	(81 - 110)	0.0	(0-20)	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAL102-LCS/CEAAL103-LCSD				LCS Lot-Sample#: B7L010000-221	
	100	(84 - 114)			MCAWW 160.1	11/24-11/25/97	7335221
	99	(84 - 114)	1.3	(0-20)	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CE4GM102-LCS/CE4GM103-LCSD				LCS Lot-Sample#: B7K200000-169	
	99	(84 - 114)			MCAWW 160.1	11/18-11/19/97	7324169
	100	(84 - 114)	1.5	(0-20)	MCAWW 160.1	11/18-11/19/97	7324169
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CE82J102-LCS/CE82J103-LCSD				LCS Lot-Sample#: B7K250000-139	
	99	(84 - 114)			MCAWW 160.1	11/20-11/24/97	7329139
	99	(84 - 114)	0.40	(0-20)	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1					
Total Organic Carbon		WO#:CEDXF102-LCS/CEDXF103-LCSD				LCS Lot-Sample#: B7L050000-221	
	104	(90 - 112)			SW846 9060	12/04/97	7339221
	103	(90 - 112)	0.52	(0-20)	SW846 9060	12/04/97	7339221
		Dilution Factor: 1					
Total Organic Carbon		WO#:CEHJ6102-LCS/CEHJ6103-LCSD				LCS Lot-Sample#: B7L120000-219	
	103	(90 - 112)			SW846 9060	12/10/97	7346219
	103	(90 - 112)	0.57	(0-20)	SW846 9060	12/10/97	7346219
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB010 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:CE4GP102-LCS/CE4GP103-LCSD				LCS Lot-Sample#: B7K200000-171	
	92	(76 - 121)			MCAWW 160.2	11/18-11/19/97	7324171
	95	(76 - 121)	3.2	(0-20)	MCAWW 160.2	11/18-11/19/97	7324171
		Dilution Factor: 1					
Total Suspended Solids		WO#:CE82H102-LCS/CE82H103-LCSD				LCS Lot-Sample#: B7K250000-138	
	90	(76 - 121)			MCAWW 160.2	11/20-11/24/97	7329138
	89	(76 - 121)	1.7	(0-20)	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

QUANTERRA
Environmental Services

Sample Delivery Group Assignment Form

IT CORPORATION
PLUMBROOK ORDNANCE WORKS
SDG# PB010

*	DATE	LOT#	CLIENT	VOA	BNA	PCB	TOTAL	TOTAL	DISS.	CN.	ALK	TDS	TOC	TSS	CHLORIDE	NITRATE	SULFATE	HARDNESS
	REC'D		ID	8260A	8270B	8081	8330	METALS	METALS	9010A	310.1	160.1	9060		325.3	353.2	375.3	130.2
1	11/13/97	H7K130155	5501	X	X	X	X	X	X									
2	11/14/97	H7K140159	5480	X	X	X	X	X	X	X	X	X	X	X	T	T	T	T
3			5481	X														
4			5730												T	T	T	
5			5840												T	T	T	
6			5890												T	T	T	
7	11/15/97	H7K150112	5600												T	T	T	
8			5820												T	T	T	
9			5950												T	T	T	
10	11/17/97	H7K170117	5600	X	X	X	X	X	X	X	T	T	T	T				T
11			5730	QC	QC	QC	QC	QC	QC	X	T	T	T	T				T
12			5820	X	X	X	X	X	X	X	T	T	T	T				T
13			5840	X	X	X	X	X	X	X	T	T	T	T				T
14			5841	X														
15			5890	X	X	X	X	X	X	X	T	T	T	T				T
16			5950	X	X	X	X	X	X	X	T	T	T	T				T
17	11/18/97	H7K180152	5770	X	X	X	X	X	X	X	T	T	T	T	T	T	T	T
18			5761	X	X	X	X	X	X									
19			5760	X	X	X	X	X	X	X	T	T	T	T	T	T	T	T
20			5430	X	X	X	X	X	X	X	T	T	T	T	T	T	T	T

MATRIX: WATER
ANALYTICAL DUE: 12/12/97
REPORT DUE: 12/17/97
CLOSED?__YES___

12/22/97 3:23 PM

*A = ARCHIVED

INTERNATIONAL TECHNOLOGY CORPORATION

20941 "8"

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K130155

Reference Document No: 10013

Project Number: 771481

Samples Shipment Date: 12-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ BRUCE BUNDT

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624849830

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard [✓] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ]

Sample Disposal:
Return to Client [ ] Disposal by Lab [✓] Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 11-12-97 Time: 1830

2. Relinquished By (Signature/Affiliation) Date: Time:

3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 11-13-97 Time: 08:30

2. Received By (Signature/Affiliation) Date: Time:

3. Received By (Signature/Affiliation) Date: Time:

Comments: Dissolved Metal analysis to be filtered by lab. → NOTE !!

Custody seals intact
received at 2°C
BJD 11-13-97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5501	pbow97-LAB-BW-5501-FB	12-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5501	pbow97-LAB-BW-5501-FB	12-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		→ 1 = FILT PH<2, INT
5501	pbow97-LAB-BW-5501-FB	12-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5501	pbow97-LAB-BW-5501-FB	12-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		RES CL2 ND
5501	pbow97-LAB-BW-5501-FB	12-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K140159

Reference Document No: 10015

Project Number: 771481

Samples Shipment Date: 13-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Bruce Burnett

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624849840

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions: O circled Qty indicates Analyses combined in 1 L HDPE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-13-97 Time: 1730	1. Received By (Signature/Affiliation) Byron Blomquist QESKW	Date: 11/14/97 Time: 10:00
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Alkalinity, TDS and TSS collected in 1 x 1 L HDPE

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative		Requested Testing Program	Fil	CID	Condition On Receipt
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	(1)	NONE	X	ALKALINITY by E310.1 in water	N		Rec'd @ 4°C w/ custody Seals Intact BPB 11/14/97
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	1	NaOH to pH12	X	Total Cyanide by SW-846 9010A in water	N	pH>12	
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml A GLASS	1	NONE	X	Nitroaromatics by SW-846 8330 in water	N		
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	2	HNO3, pH<2	X	TAL Metals by SW-846 6010A/7470 in water	N	pH<2	
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml A GLASS	2	NONE	X	PCBs by SW8081 in water	N		
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml A GLASS	2	NONE	X	TCL Semivolatiles by SW-846 8270B in water	N		
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	(1)	NONE	X	Total dissolved solids by E160.1 in water	N		
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	1	pH<2 H2SO4	X	TOC by SW-9060 in water	N	pH<2	
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	(1)	NONE	X	Total suspended solids by E160.2	N		
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	40 ml GVIAL,SEP	3	HCl, pH<2	X	TCL Volatiles by SW-846 8260A in water	N		
5481	PBOW97-IT-ABG-BEDGW-01-BW-5481-TB	13-NOV-97	08:00	40 ml VOA VIAL	2	HCl, pH<2		TCL Volatiles by SW-846 8260A in water	N		

H7K140159

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10014

Project Number: 771461

Samples Shipment Date: 13-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - ~~Knoxville~~ Tampa

Sample Coordinator: ~~Dave Purcell~~ Bruce Bennett

Lab Contact: ~~John Reynolds~~ NANCY ROBERTSON

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624652115

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-13-97 Time: 1730	1. Received By (Signature/Affiliation) Carol McNulty	Date: 11/14/97 Time: 1015
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: 48 hour hold

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	FB CID	Condition On Receipt
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5480	PBOW97-IT-ABG-BEDGW-01-GW-5480-REG	13-NOV-97	10:15	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5730	PBOW97-MK-MW10-GW-5730-REG	13-NOV-97	12:30	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5730	PBOW97-MK-MW10-GW-5730-REG	13-NOV-97	12:30	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5730	PBOW97-MK-MW10-GW-5730-REG	13-NOV-97	12:30	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	

H7K1S0112

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10017

Project Number: 771481

Samples Shipment Date: 14-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanteta ~~Knoxville~~ Target

Sample Coordinator: ~~Dave Purcell~~ B. Bundt

Lab Contact: ~~John Reynolds~~ NANCY ROBERTSON

Turnaround Time:

Project Contact: Kim ~~Arrant~~ NAPIER

Carrier/Waybill No.: Fed Ex/801624852126

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ___ Flammable ___ Skin Irritant ___ Poison B ___ Unknown ✓

Sample Disposal:
Return to Client ___ Disposal by Lab ___ ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-14-97 Time: 1630	1. Received By (Signature/Affiliation) Carol McNulty	Date: 11/15/97 Time: 1000
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: 48 hour hold on Nitrate!!

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K170117

Reference Document No: 10016

Project Number: 771481

Samples Shipment Date: 14-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ BRUCE Burnett

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim ~~Arrant~~ NAPIER

Carrier/Waybill No.: Fed Ex/801624850580

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 11-14-97 Time: 1630
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Diane Grange Date: 11/17/97 Time: 11:00
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: METALS: 1 = FILTERED = Dissolved
UNFILT = Total

ALKALINITY, TDS + TSS = 1 x 1 L poly.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water ✓	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water ✓	N		pH>12
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water ✓	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water ✓	N		pH<2
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		pH<2
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water ✓	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in water	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water ✓	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water ✓	N		pH<2
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2 ✓	N		
5600	PBOW97-IT-MW10-GW-5600-REG	14-NOV-97	08:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water ✓	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ML HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K170117

Reference Document No: 10016

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5730	PBOW97-MK-MW10-GW-5730-REG	14-NOV-97	13:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5730-MS	PBOW97-MK-MW10-GW-5730-MS-MS	14-NOV-97	13:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5730-MS	PBOW97-MK-MW10-GW-5730-MS-MS	14-NOV-97	13:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5730-MS	PBOW97-MK-MW10-GW-5730-MS-MS	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5730-MS	PBOW97-MK-MW10-GW-5730-MS-MS	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5730-MS	PBOW97-MK-MW10-GW-5730-MS-MS	14-NOV-97	13:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5730-MSD	PBOW97-MK-MW10-GW-5730-MSD-MSD	14-NOV-97	13:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5730-MSD	PBOW97-MK-MW10-GW-5730-MSD-MSD	14-NOV-97	13:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5730-MSD	PBOW97-MK-MW10-GW-5730-MSD-MSD	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5730-MSD	PBOW97-MK-MW10-GW-5730-MSD-MSD	14-NOV-97	13:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5730-MSD	PBOW97-MK-MW10-GW-5730-MSD-MSD	14-NOV-97	13:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5820	PBOW97-MK-MW22-GW-5820-REG	14-NOV-97	13:10	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ML HDPE	1	HNO3	Hardness by E130.2 in water	N		pH<2
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5840	PBOW97-MK-MW24-GW-5840-REG	13-NOV-97	14:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5841	PBOW97-MK-MW24-BW-5841-TB	14-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ML HDPE	1	HNO3	Hardness by E130.2 in water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K170117

Reference Document No: 10016

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5890	PBOW97-PB-BED-MW13-GW-5890-REG	13-NOV-97	15:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		~~pH<~~ pH=3
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH=3, pH<2
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5950	PBOW97-PB-BED-MW19-GW-5950-REG	14-NOV-97	13:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

Custody seals intact
received at 2°C
No Res Cl2 Present
BPB 11/17/97

H7K180152

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10018

Project Number: 771481

Samples Shipment Date: 17-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Parsell~~ Brad Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant/Kim Napier

Carrier/Waybill No.: Fed Ex/801624850579

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [✓]

Sample Disposal:

Return to Client [ ] Disposal by Lab [✓] Archive (mos.)

1. Relinquished By (Signature/Affliation) [signature] Date: 11-17-97 Time: 1630
2. Relinquished By (Signature/Affliation) Date: Time:
3. Relinquished By (Signature/Affliation) Date: Time:

1. Received By (Signature/Affliation) Diane Yange Date: 11/18/97 Time: 9:00
2. Received By (Signature/Affliation) Date: Time:
3. Received By (Signature/Affliation) Date: Time:

Comments:

TAL METALS = 1 L = FILTERED
1 L = UNFILTERED

ALKALINITY, TDS + TSS = COMBINED IN 1 x 1 L HDPE!

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		RES Cl2 ND
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		RES Cl2 ND
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K180152

Reference Document No: 10018

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		PH>12
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5811	PBOW97-MK-MW20-BW-5811-TB	16-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		↓
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K80152

Reference Document No: 10018

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		PH>12
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		PH>12
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		PH>12
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		PH>12
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		PH<2
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS CL2 ND
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		PH<2
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

Custody seals intact received at 2°C

H7K180152

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10019

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: ~~Dave Russell~~ Bruce Benedict

Turnaround Time:

Samples Shipment Date: 17-NOV-97

Lab Destination: Quanterra - ~~Knoxville~~ TAMPA

Lab Contact: John Reynolds / NANCY ROBERTSON

Project Contact: Kim Arrant / Kim NAPIER

Carrier/Waybill No.: Fed Ex/801624652869

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: NITRATE 48 HOUR HOLD

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-17-97 Time: 1630	1. Received By (Signature/Affiliation) Carol McNulty	Date: 11/18/97 Time: 0915
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: QUANTERRA TAMPA, ATTN: NANCY ROBERTSON

NITRATE, SULFATE + CHLORIDE All Collected IN 1 L HDPE, rather than 1 L each.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-REG	17-NOV-97	0745	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		

H7K180152

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10019

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil CID	Condition On Receipt
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	17-NOV-97	0745	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	17-NOV-97	0745	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	

Quanterra Environmental Services

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
423 584-4315 Fax

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB011

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

January 8, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB011 : H7K180154

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE3PL	001	5451	11/16/97	16:30
CE3PM	002	5720	11/16/97	16:45
CE3PN	003	5450	11/16/97	16:30
CE3PP	004	LOT H012	11/16/97	08:00
CE3PQ	005	5810	11/16/97	15:45
CE3PR	006	5811	11/16/97	07:00
CE3PT	007	5800	11/16/97	17:00
CE3PV	008	5451F	11/16/97	16:30
CE3PW	009	5720F	11/16/97	16:45
CE3PX	010	5450F	11/16/97	16:30
CE3Q1	011	LOT H012F	11/16/97	08:00
CE3Q2	012	5810F	11/16/97	15:45
CE3Q3	013	5800F	11/16/97	17:00
CE3Q4	014	5410	11/17/97	10:20
CE3Q5	015	5420	11/17/97	12:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB011 : H7K190172

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE4AT	001	5910	11/18/97	08:40
CE4AW	002	5960	11/17/97	16:15
CE4C0	003	5750	11/17/97	13:30
CE4C1	004	5830	11/16/97	17:00
CE4C2	005	5411	11/17/97	10:20
CE4C3	006	5420	11/17/97	12:45
CE4C4	007	5410	11/17/97	10:20
CE4C5	008	5740	11/18/97	08:20
CE4C6	009	5710	11/17/97	17:00
CE4C7	010	5700	11/17/97	15:45
CE4C8	011	5701	11/17/97	15:45
CE4CA	012	5910F	11/18/97	08:40
CE4CC	013	5960F	11/17/97	16:15
CE4CE	014	5750F	11/17/97	13:30
CE4CF	015	5830F	11/16/97	17:00
CE4CG	016	5411F	11/17/97	10:20
CE4CH	017	5420F	11/17/97	12:45
CE4CJ	018	5410F	11/17/97	10:20
CE4CK	019	5740F	11/18/97	08:20
CE4CL	020	5710F	11/17/97	17:00
CE4CM	021	5700F	11/17/97	15:45
CE4CN	022	5701F	11/17/97	15:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB011

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B7K190000-132	L	11/17/97	DUPLICATE CHECK
B7K190000-149	L	11/18/97	DUPLICATE CHECK
B7K220000-124	L	11/19/97	DUPLICATE CHECK
B7K250000-138	L	11/19/97	DUPLICATE CHECK
B7K250000-139	L	11/19/97	DUPLICATE CHECK
B7K260000-112	L	11/19/97	DUPLICATE CHECK
B7K260000-116	L	11/21/97	DUPLICATE CHECK
B7L010000-144	L	11/18/97	DUPLICATE CHECK
B7L010000-221	L	11/21/97	DUPLICATE CHECK
B7L010000-223	L	11/21/97	DUPLICATE CHECK
B7L050000-123	L	11/20/97	DUPLICATE CHECK
B7L050000-221	L	11/14/97	DUPLICATE CHECK
B7L100000-195	L	11/21/97	DUPLICATE CHECK
B7L100000-217	L	11/14/97	DUPLICATE CHECK
B7L100000-219	L	11/19/97	DUPLICATE CHECK
B7L100000-225	L	11/22/97	DUPLICATE CHECK
B7L120000-127	L	11/21/97	DUPLICATE CHECK
B7L120000-219	L	11/20/97	DUPLICATE CHECK
H7K140159-001	D	11/14/97	LAB MS/MSD
H7K140159-001	S	11/14/97	LAB MS/MSD
H7K170117-002	D	11/17/97	LAB MS/MSD
H7K170117-002	S	11/17/97	LAB MS/MSD
H7K180154-001		11/18/97	5451
H7K180154-002		11/18/97	5720
H7K180154-003		11/18/97	5450
H7K180154-004		11/18/97	LOT H012
H7K180154-005		11/18/97	5810
H7K180154-006		11/18/97	5811
H7K180154-007		11/18/97	5800
H7K180154-007	D	11/18/97	5800
H7K180154-007	S	11/18/97	5800
H7K180154-008		11/18/97	5451F
H7K180154-009		11/18/97	5720F

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Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB011

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H7K180154-010		11/18/97	5450F
H7K180154-011		11/18/97	LOT H012F
H7K180154-012		11/18/97	5810F
H7K180154-013		11/18/97	5800F
H7K180154-013	D	11/18/97	5800F
H7K180154-013	S	11/18/97	5800F
H7K180154-014		11/18/97	5410
H7K180154-015		11/18/97	5420
H7K190172-001		11/19/97	5910
H7K190172-002		11/19/97	5960
H7K190172-003		11/19/97	5750
H7K190172-004		11/19/97	5830
H7K190172-005		11/19/97	5411
H7K190172-006		11/19/97	5420
H7K190172-007		11/19/97	5410
H7K190172-008		11/19/97	5740
H7K190172-009		11/19/97	5710
H7K190172-010		11/19/97	5700
H7K190172-011		11/19/97	5701
H7K190172-012		11/19/97	5910F
H7K190172-013		11/19/97	5960F
H7K190172-014		11/19/97	5750F
H7K190172-015		11/19/97	5830F
H7K190172-016		11/19/97	5411F
H7K190172-017		11/19/97	5420F
H7K190172-018		11/19/97	5410F
H7K190172-019		11/19/97	5740F
H7K190172-020		11/19/97	5710F
H7K190172-021		11/19/97	5700F
H7K190172-022		11/19/97	5701F
H7K200176-004	D	11/20/97	LAB MS/MSD
H7K200176-004	S	11/20/97	LAB MS/MSD
H7K200176-006	X	11/20/97	INTRA-LAB QC
H7K210210-001	D	11/21/97	LAB MS/MSD
H7K210210-001	S	11/21/97	LAB MS/MSD
H7K220000-142	L	11/19/97	DUPLICATE CHECK
H7K220147-008	D	11/22/97	LAB MS/MSD
H7K220147-008	S	11/22/97	LAB MS/MSD

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Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB011

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H7K250000-129	L	11/20/97	DUPLICATE CHECK
H7K280000-127	L	11/18/97	DUPLICATE CHECK

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB011

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Dissolved ICP Metals	SW846 6010A
Filterable Residue (TDS)	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Organochlorine Pesticides and PCBs	SW846 8081
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	MCAWW 375.4
Total Cyanide	SW846 9010A
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Volatile Organics by GC/MS	SW846 8260A

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Volatiles

The concentration of 1,1,1-trichloroethane in sample 5800 exceeded the calibration level of the instrument. The sample was analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The reporting limits have been adjusted accordingly. In addition, the client-assigned matrix spike of this sample had recovery for toluene outside control limits. However, since recoveries for the LCS were acceptable, the data is not adversely affected.

Semivolatiles

Perylene-d12 recoveries were low in samples 5451, 5710, 5700 and 5701. These samples matrix exhibited extremely destructive effects on the instruments column, even though they were run at substantial dilutions. After consultation with IT Corporation, it was decided that in order to maintain instrument integrity, these samples would not be re-analyzed. It should be noted, however, that initial runs for samples 5700 and 5701 outside tune time (12/11/97) showed similar results for perylene-d12 recovery (these chromatograms are included with the reports for the final data). Because of this, matrix can be tentatively cited as the cause of the low recoveries for this internal standard. Additionally, in all cases, no targets were seen that reference perylene-d12.

*Please note that the dilution for sample 5451 did no contain analytes above 20% of the calibration range, and the screening chromatogram has been provided.

Metals

The matrix spike/matrix spike duplicate recoveries for sample 5800F were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. The affected analytes are flagged appropriately on the matrix spike/matrix spike duplicate report.

Wet Chemistry

Sample 5700 was analyzed for nitrate outside of holding time criteria due to severe matrix interferences, which destroyed the analytical column.

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PROJECT NARRATIVE

COMMENTS:

Volatiles

Samples 5810, 5451, 5450, 5910, and 5701were reported with elevated reporting limits for all analytes. Based on screening results, dilutions were necessary prior to analysis; the reporting limits were adjusted accordingly.

Samples 5700 and 5710 were reported with elevated reporting limits for all analytes due to the difficult sample matrix, excessive foaming. Dilutions were necessary prior to analysis, and the reporting limits were adjusted accordingly.

Semivolatiles

The concentration of 2-methylphenol and 4-methylphenol in sample 5810 exceeded the calibration level of the instrument. The sample was analyzed at a dilution to bring the concentration of the compounds into the instrument's calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

Pesticides/PCBs

Samples 5450, 5451, 5700 and 5701 were reported with elevated reporting limits for all analytes due to sample matrix interferences.

Explosives

The following samples were reported with elevated reporting limits for one or more compounds due to chromatographic interferences: 5450, 5451, 5700, 5701, 5810, 5910, LOT H012.

Sample Data Summary

AA1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

GC/MS Volatiles

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	50	ug/L	SW846 8260A
Bromomethane	ND	50	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	50	ug/L	SW846 8260A
Methylene chloride	**6.7 J,B**	**25**	**ug/L**	**SW846 8260A**
Acetone	ND	250	ug/L	SW846 8260A
Carbon disulfide	**89**	**25**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	25	ug/L	SW846 8260A
1,1-Dichloroethane	ND	25	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	25	ug/L	SW846 8260A
Chloroform	ND	25	ug/L	SW846 8260A
1,2-Dichloroethane	ND	25	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	25	ug/L	SW846 8260A
Carbon tetrachloride	ND	25	ug/L	SW846 8260A
Bromodichloromethane	ND	25	ug/L	SW846 8260A
1,2-Dichloropropane	ND	25	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Trichloroethene	ND	25	ug/L	SW846 8260A
Dibromochloromethane	ND	25	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	25	ug/L	SW846 8260A
Benzene	**14 J**	**25**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Bromoform	ND	25	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	25	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	25	ug/L	SW846 8260A
Toluene	**30**	**25**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	25	ug/L	SW846 8260A
Ethylbenzene	**7.2 J**	**25**	**ug/L**	**SW846 8260A**
Styrene	ND	25	ug/L	SW846 8260A
Xylenes (total)	**150**	**25**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

GC/MS Volatiles

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

GC/MS Volatiles

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.30 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.13 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.13 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

GC/MS Volatiles

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

GC/MS Volatiles

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	50	ug/L	SW846 8260A
Bromomethane	ND	50	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	50	ug/L	SW846 8260A
Methylene chloride	**8.8 J,B**	**25**	**ug/L**	**SW846 8260A**
Acetone	ND	250	ug/L	SW846 8260A
Carbon disulfide	**29**	**25**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	25	ug/L	SW846 8260A
1,1-Dichloroethane	ND	25	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	25	ug/L	SW846 8260A
Chloroform	ND	25	ug/L	SW846 8260A
1,2-Dichloroethane	ND	25	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	25	ug/L	SW846 8260A
Carbon tetrachloride	ND	25	ug/L	SW846 8260A
Bromodichloromethane	ND	25	ug/L	SW846 8260A
1,2-Dichloropropane	ND	25	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Trichloroethene	ND	25	ug/L	SW846 8260A
Dibromochloromethane	ND	25	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	25	ug/L	SW846 8260A
Benzene	**11 J**	**25**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Bromoform	ND	25	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	25	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	25	ug/L	SW846 8260A
Toluene	**18 J**	**25**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	25	ug/L	SW846 8260A
Ethylbenzene	**7.7 J**	**25**	**ug/L**	**SW846 8260A**
Styrene	ND	25	ug/L	SW846 8260A
Xylenes (total)	**150**	**25**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

GC/MS Volatiles

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

GC/MS Volatiles

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**1.1 B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	**1.2**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.54 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.26 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

GC/MS Volatiles

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP101 **Matrix.....:** WATER

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

GC/MS Volatiles

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	1000	ug/L	SW846 8260A
Bromomethane	ND	1000	ug/L	SW846 8260A
Vinyl chloride	ND	1000	ug/L	SW846 8260A
Chloroethane	ND	1000	ug/L	SW846 8260A
Methylene chloride	ND	500	ug/L	SW846 8260A
Acetone	ND	5000	ug/L	SW846 8260A
Carbon disulfide	ND	500	ug/L	SW846 8260A
1,1-Dichloroethene	ND	500	ug/L	SW846 8260A
1,1-Dichloroethane	ND	500	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	500	ug/L	SW846 8260A
Chloroform	**71 J**	**500**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	500	ug/L	SW846 8260A
2-Butanone	ND	2500	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	500	ug/L	SW846 8260A
Carbon tetrachloride	ND	500	ug/L	SW846 8260A
Bromodichloromethane	ND	500	ug/L	SW846 8260A
1,2-Dichloropropane	ND	500	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Trichloroethene	ND	500	ug/L	SW846 8260A
Dibromochloromethane	ND	500	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	500	ug/L	SW846 8260A
Benzene	ND	500	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Bromoform	ND	500	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	2500	ug/L	SW846 8260A
2-Hexanone	ND	2500	ug/L	SW846 8260A
Tetrachloroethene	ND	500	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	500	ug/L	SW846 8260A
Toluene	**13000**	**500**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	500	ug/L	SW846 8260A
Ethylbenzene	ND	500	ug/L	SW846 8260A
Styrene	ND	500	ug/L	SW846 8260A
Xylenes (total)	**100 J**	**500**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5811

GC/MS Volatiles

Lot-Sample #...: H7K180154-006 **Work Order #...:** CE3PR101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.53 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5811

GC/MS Volatiles

Lot-Sample #...: H7K180154-006 **Work Order #...:** CE3PR101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

GC/MS Volatiles

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	**2.5**	**2.0**	**ug/L**	**SW846 8260A**
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**17**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	**190 E**	**1.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**6.1**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

GC/MS Volatiles

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT201 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	**170 D**	**10**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

GC/MS Volatiles

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	**31 J,B**	**50**	**ug/L**	**SW846 8260A**
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	50	ug/L	SW846 8260A
Chloroform	**8.4 J**	**50**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	250	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	50	ug/L	SW846 8260A
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	ND	50	ug/L	SW846 8260A
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	**570**	**50**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	250	ug/L	SW846 8260A
2-Hexanone	ND	250	ug/L	SW846 8260A
Tetrachloroethene	ND	50	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	**490**	**50**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	**130**	**50**	**ug/L**	**SW846 8260A**
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	**920**	**50**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

GC/MS Volatiles

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

GC/MS Volatiles

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.30 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**0.93 J**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.73 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	**0.15 J**	**1.0**	**ug/L**	**SW846 8260A**
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**2.6**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

GC/MS Volatiles

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

GC/MS Volatiles

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DNSTC

Lot-Sample #...: H7K190172-003 **Work Order #...:** CE4C0101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

DATA

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

GC/MS Volatiles

Lot-Sample #...: H7K190172-004 **Work Order #...:** CE4C1101 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.27 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	**68**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	**0.37 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	93	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

GC/MS Volatiles

Lot-Sample #...: H7K190172-004 Work Order #...: CE4C1101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

BG8

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

GC/MS Volatiles

Lot-Sample #...: H7K190172-005 **Work Order #...:** CE4C2101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.34 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

GC/MS Volatiles

Lot-Sample #...: H7K190172-005 Work Order #...: CE4C2101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

DMTB

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

GC/MS Volatiles

Lot-Sample #...: H7K190172-006 **Work Order #...:** CE4C3101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.82 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**0.14 J**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.22 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.44 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	102	(71 - 119)
4-Bromofluorobenzene	102	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

BG8

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

GC/MS Volatiles

Lot-Sample #...: H7K190172-007 **Work Order #...:** CE4C4101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.37 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.65 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.38 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

GC/MS Volatiles

Lot-Sample #...: H7K190172-007 Work Order #...: CE4C4101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

AA2

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

GC/MS Volatiles

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C5101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.27 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.31 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

GC/MS Volatiles

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C5101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

GC/MS Volatiles

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C6101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	4.0	ug/L	SW846 8260A
Bromomethane	ND	4.0	ug/L	SW846 8260A
Vinyl chloride	ND	4.0	ug/L	SW846 8260A
Chloroethane	ND	4.0	ug/L	SW846 8260A
Methylene chloride	**0.54 J,B**	**2.0**	**ug/L**	**SW846 8260A**
Acetone	ND	20	ug/L	SW846 8260A
Carbon disulfide	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260A
Chloroform	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.0	ug/L	SW846 8260A
Bromodichloromethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Trichloroethene	ND	2.0	ug/L	SW846 8260A
Dibromochloromethane	ND	2.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Benzene	ND	2.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Bromoform	ND	2.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	2.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	SW846 8260A
Toluene	ND	2.0	ug/L	SW846 8260A
Chlorobenzene	ND	2.0	ug/L	SW846 8260A
Ethylbenzene	ND	2.0	ug/L	SW846 8260A
Styrene	ND	2.0	ug/L	SW846 8260A
Xylenes (total)	ND	2.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

GC/MS Volatiles

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C6101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PR

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

GC/MS Volatiles

Lot-Sample #...: H7K190172-010 **Work Order #...:** CE4C7101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	**5.7 B**	**5.0**	**ug/L**	**SW846 8260A**
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PR

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

GC/MS Volatiles

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C8101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	**3.7 J,B**	**5.0**	**ug/L**	**SW846 8260A**
Acetone	**22 J**	**50**	**ug/L**	**SW846 8260A**
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	**1.7 J**	**5.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

GC/MS Volatiles

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C8101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE4XH101 **Matrix.....:** WATER
MB Lot-Sample #: H7K200000-241

Prep Date.....: 11/20/97
Analysis Date..: 11/20/97 **Prep Batch #...:** 7324241
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE4XH101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7CE101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-152

Prep Date.....: 11/24/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.44 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7CE101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7VG101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-298

Prep Date.....: 11/24/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.32 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7VG101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE81M101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-129

Prep Date.....: 11/25/97
Analysis Date..: 11/25/97 **Prep Batch #...:** 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.28 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE81M101 WATER

NOTE(S):

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE3PT117-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K180154-007 CE3PT118-MSD
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**115**	**(70 - 137)**			**SW846 8260A**
	102	**(70 - 137)**	**9.1**	**(0-12)**	**SW846 8260A**
Trichloroethene	**102**	**(75 - 129)**			**SW846 8260A**
	101	**(75 - 129)**	**1.1**	**(0-14)**	**SW846 8260A**
Benzene	**98**	**(76 - 123)**			**SW846 8260A**
	98	**(76 - 123)**	**0.45**	**(0-10)**	**SW846 8260A**
Toluene	**125 a**	**(77 - 115)**			**SW846 8260A**
	105	**(77 - 115)**	**11**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**96**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**2.8**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(67 - 128)
	102	(67 - 128)
Toluene-d8	103	(71 - 119)
	100	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)
	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE4XH102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K200000-241
Prep Date.....: 11/20/97 **Analysis Date..:** 11/20/97
Prep Batch #...: 7324241
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**105**	**(70 - 137)**	**SW846 8260A**
Benzene	**104**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**99**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7CE102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-152
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**108**	**(70 - 137)**	**SW846 8260A**
Benzene	**103**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**	**SW846 8260A**
Toluene	**105**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**102**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE7VG102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-298
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**111**	**(70 - 137)**	**SW846 8260A**
Benzene	**102**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**104**	**(75 - 129)**	**SW846 8260A**
Toluene	**101**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**98**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB011 **Work Order #...:** CE81M102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-129 CE81M103-LCSD
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**114**	**(70 - 137)**			**SW846 8260A**
	111	**(70 - 137)**	**2.5**	**(0-12)**	**SW846 8260A**
Benzene	**107**	**(76 - 123)**			**SW846 8260A**
	107	**(76 - 123)**	**0.010**	**(0-10)**	**SW846 8260A**
Trichloroethene	**111**	**(75 - 129)**			**SW846 8260A**
	108	**(75 - 129)**	**2.9**	**(0-14)**	**SW846 8260A**
Toluene	**104**	**(77 - 115)**			**SW846 8260A**
	101	**(77 - 115)**	**2.6**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**102**	**(78 - 116)**			**SW846 8260A**
	103	**(78 - 116)**	**0.78**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
	101	(67 - 128)
Toluene-d8	96	(71 - 119)
	101	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)
	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**31 J**	**200**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	200	ug/L	SW846 8270B
2-Chlorophenol	ND	200	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	200	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	200	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	200	ug/L	SW846 8270B
2-Methylphenol	ND	200	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	200	ug/L	SW846 8270B
4-Methylphenol	ND	200	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	200	ug/L	SW846 8270B
Hexachloroethane	ND	200	ug/L	SW846 8270B
Nitrobenzene	ND	200	ug/L	SW846 8270B
Isophorone	ND	200	ug/L	SW846 8270B
2-Nitrophenol	ND	200	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	200	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	200	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	200	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	200	ug/L	SW846 8270B
Naphthalene	ND	200	ug/L	SW846 8270B
4-Chloroaniline	ND	200	ug/L	SW846 8270B
Hexachlorobutadiene	ND	200	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	200	ug/L	SW846 8270B
2-Methylnaphthalene	**25 J**	**200**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	1000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	200	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	200	ug/L	SW846 8270B
2-Chloronaphthalene	ND	200	ug/L	SW846 8270B
2-Nitroaniline	ND	1000	ug/L	SW846 8270B
Dimethyl phthalate	ND	200	ug/L	SW846 8270B
Acenaphthylene	ND	200	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	200	ug/L	SW846 8270B
3-Nitroaniline	ND	1000	ug/L	SW846 8270B
Acenaphthene	ND	200	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	1000	ug/L	SW846 8270B
4-Nitrophenol	ND	1000	ug/L	SW846 8270B
Dibenzofuran	ND	200	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	200	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	200	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	200	ug/L	SW846 8270B
Fluorene	ND	200	ug/L	SW846 8270B
4-Nitroaniline	ND	1000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	200	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	200	ug/L	SW846 8270B
Hexachlorobenzene	ND	200	ug/L	SW846 8270B
Pentachlorophenol	ND	1000	ug/L	SW846 8270B
Phenanthrene	ND	200	ug/L	SW846 8270B
Anthracene	ND	200	ug/L	SW846 8270B
Carbazole	ND	200	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	200	ug/L	SW846 8270B
Fluoranthene	ND	200	ug/L	SW846 8270B
Pyrene	ND	200	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	200	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	1000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	200	ug/L	SW846 8270B
Chrysene	ND	200	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	200	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	200	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	200	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	200	ug/L	SW846 8270B
Benzo(a)pyrene	ND	200	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	200	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	200	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	200	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(11 - 121)
Phenol-d5	62	(19 - 125)
Nitrobenzene-d5	60	(49 - 124)
2-Fluorobiphenyl	55	(46 - 120)
2,4,6-Tribromophenol	49	(36 - 144)
Terphenyl-d14	60	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**43**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	**2.9 J**	**10**	**ug/L**	**SW846 8270B**
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**16**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**28**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**28**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	79	(49 - 124)
2-Fluorobiphenyl	71	(46 - 120)
2,4,6-Tribromophenol	90	(36 - 144)
Terphenyl-d14	45	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	90	(11 - 121)
Phenol-d5	97	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	86	(46 - 120)
2,4,6-Tribromophenol	66	(36 - 144)
Terphenyl-d14	81	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

GC/MS Semivolatiles

2W
Add BG

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**6.8 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	**1200 E**	**10**	**ug/L**	**SW846 8270B**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	**1000 E**	**10**	**ug/L**	**SW846 8270B**
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**5.0 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(11 - 121)
Phenol-d5	91	(19 - 125)
Nitrobenzene-d5	86	(49 - 124)
2-Fluorobiphenyl	84	(46 - 120)
2,4,6-Tribromophenol	84	(36 - 144)
Terphenyl-d14	67	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ202 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7326141
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Methylphenol	**1300 D**	**100**	**ug/L**	**SW846 8270B**
4-Methylphenol	**1200 D**	**100**	**ug/L**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

GC/MS Semivolatiles

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(11 - 121)
Phenol-d5	73	(19 - 125)
Nitrobenzene-d5	68	(49 - 124)
2-Fluorobiphenyl	64	(46 - 120)
2,4,6-Tribromophenol	59	(36 - 144)
Terphenyl-d14	69	(22 - 152)

PR

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**18**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	**3.0 J**	**10**	**ug/L**	**SW846 8270B**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	**3.9 J**	**10**	**ug/L**	**SW846 8270B**
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	**4.2 J**	**10**	**ug/L**	**SW846 8270B**
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**6.7 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**22**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**31**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	**1.7 J**	**10**	**ug/L**	**SW846 8270B**
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	**2.2 J**	**10**	**ug/L**	**SW846 8270B**
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**37**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(11 - 121)
Phenol-d5	63	(19 - 125)
Nitrobenzene-d5	61	(49 - 124)
2-Fluorobiphenyl	64	(46 - 120)
2,4,6-Tribromophenol	75	(36 - 144)
Terphenyl-d14	60	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**1.1 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	92	(11 - 121)
Phenol-d5	90	(19 - 125)
Nitrobenzene-d5	90	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	70	(36 - 144)
Terphenyl-d14	63	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-003 **Work Order #...:** CE4C0102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-003 **Work Order #...:** CE4C0102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**28**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(11 - 121)
Phenol-d5	77	(19 - 125)
Nitrobenzene-d5	74	(49 - 124)
2-Fluorobiphenyl	73	(46 - 120)
2,4,6-Tribromophenol	70	(36 - 144)
Terphenyl-d14	67	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-004 **Work Order #...:** CE4C1102 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-004 **Work Order #...:** CE4C1102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	**9.3 J**	**10**	**ug/L**	**SW846 8270B**
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(11 - 121)
Phenol-d5	98	(19 - 125)
Nitrobenzene-d5	94	(49 - 124)
2-Fluorobiphenyl	84	(46 - 120)
2,4,6-Tribromophenol	68	(36 - 144)
Terphenyl-d14	52	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-005 **Work Order #...:** CE4C2102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-005 **Work Order #...:** CE4C2102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**1.8 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(11 - 121)
Phenol-d5	88	(19 - 125)
Nitrobenzene-d5	81	(49 - 124)
2-Fluorobiphenyl	84	(46 - 120)
2,4,6-Tribromophenol	71	(36 - 144)
Terphenyl-d14	60	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-006 **Work Order #...:** CE4C3102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-006 **Work Order #...:** CE4C3102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.6 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	96	(11 - 121)
Phenol-d5	96	(19 - 125)
Nitrobenzene-d5	96	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
2,4,6-Tribromophenol	71	(36 - 144)
Terphenyl-d14	32	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-007 **Work Order #...:** CE4C4102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-007 **Work Order #...:** CE4C4102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**1.7 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	95	(11 - 121)
Phenol-d5	97	(19 - 125)
Nitrobenzene-d5	96	(49 - 124)
2-Fluorobiphenyl	88	(46 - 120)
2,4,6-Tribromophenol	74	(36 - 144)
Terphenyl-d14	55	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C5102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C5102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	91	(11 - 121)
Phenol-d5	93	(19 - 125)
Nitrobenzene-d5	86	(49 - 124)
2-Fluorobiphenyl	86	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	57	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C6102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7328188
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	100	ug/L	SW846 8270B
2-Chlorophenol	ND	100	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	100	ug/L	SW846 8270B
2-Methylphenol	ND	100	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	100	ug/L	SW846 8270B
4-Methylphenol	ND	100	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	100	ug/L	SW846 8270B
Hexachloroethane	ND	100	ug/L	SW846 8270B
Nitrobenzene	ND	100	ug/L	SW846 8270B
Isophorone	ND	100	ug/L	SW846 8270B
2-Nitrophenol	ND	100	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	100	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	100	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	100	ug/L	SW846 8270B
Naphthalene	ND	100	ug/L	SW846 8270B
4-Chloroaniline	ND	100	ug/L	SW846 8270B
Hexachlorobutadiene	ND	100	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	100	ug/L	SW846 8270B
2-Methylnaphthalene	ND	100	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	500	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	100	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	100	ug/L	SW846 8270B
2-Chloronaphthalene	ND	100	ug/L	SW846 8270B
2-Nitroaniline	ND	500	ug/L	SW846 8270B
Dimethyl phthalate	ND	100	ug/L	SW846 8270B
Acenaphthylene	ND	100	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	100	ug/L	SW846 8270B
3-Nitroaniline	**450 J**	**500**	**ug/L**	**SW846 8270B**
Acenaphthene	ND	100	ug/L	SW846 8270B
2,4-Dinitrophenol	**48 J**	**500**	**ug/L**	**SW846 8270B**
4-Nitrophenol	ND	500	ug/L	SW846 8270B
Dibenzofuran	ND	100	ug/L	SW846 8270B
2,4-Dinitrotoluene	**110**	**100**	**ug/L**	**SW846 8270B**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C6102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	100	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Fluorene	ND	100	ug/L	SW846 8270B
4-Nitroaniline	ND	500	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	500	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	100	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Hexachlorobenzene	ND	100	ug/L	SW846 8270B
Pentachlorophenol	ND	500	ug/L	SW846 8270B
Phenanthrene	ND	100	ug/L	SW846 8270B
Anthracene	ND	100	ug/L	SW846 8270B
Carbazole	ND	100	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	100	ug/L	SW846 8270B
Fluoranthene	ND	100	ug/L	SW846 8270B
Pyrene	ND	100	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	100	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	500	ug/L	SW846 8270B
Benzo(a)anthracene	ND	100	ug/L	SW846 8270B
Chrysene	ND	100	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	100	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	100	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(a)pyrene	ND	100	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	100	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	100	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-010 **Work Order #...:** CE4C7102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7328188
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	1000	ug/L	SW846 8270B
2-Chlorophenol	ND	1000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
2-Methylphenol	ND	1000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	1000	ug/L	SW846 8270B
4-Methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	1000	ug/L	SW846 8270B
Hexachloroethane	ND	1000	ug/L	SW846 8270B
Nitrobenzene	ND	1000	ug/L	SW846 8270B
Isophorone	ND	1000	ug/L	SW846 8270B
2-Nitrophenol	ND	1000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	1000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	1000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	1000	ug/L	SW846 8270B
Naphthalene	ND	1000	ug/L	SW846 8270B
4-Chloroaniline	ND	1000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	1000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	1000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	1000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	5000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	1000	ug/L	SW846 8270B
2-Nitroaniline	ND	5000	ug/L	SW846 8270B
Dimethyl phthalate	ND	1000	ug/L	SW846 8270B
Acenaphthylene	ND	1000	ug/L	SW846 8270B
2,6-Dinitrotoluene	**190 J**	**1000**	**ug/L**	**SW846 8270B**
3-Nitroaniline	**160 J**	**5000**	**ug/L**	**SW846 8270B**
Acenaphthene	ND	1000	ug/L	SW846 8270B
2,4-Dinitrophenol	**6000**	**5000**	**ug/L**	**SW846 8270B**
4-Nitrophenol	ND	5000	ug/L	SW846 8270B
Dibenzofuran	ND	1000	ug/L	SW846 8270B
2,4-Dinitrotoluene	**1500**	**1000**	**ug/L**	**SW846 8270B**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-010 **Work Order #...:** CE4C7102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	1000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Fluorene	ND	1000	ug/L	SW846 8270B
4-Nitroaniline	ND	5000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	**2300 J**	**5000**	**ug/L**	**SW846 8270B**
N-Nitrosodiphenylamine	ND	1000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Hexachlorobenzene	ND	1000	ug/L	SW846 8270B
Pentachlorophenol	ND	5000	ug/L	SW846 8270B
Phenanthrene	ND	1000	ug/L	SW846 8270B
Anthracene	ND	1000	ug/L	SW846 8270B
Carbazole	ND	1000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	1000	ug/L	SW846 8270B
Fluoranthene	ND	1000	ug/L	SW846 8270B
Pyrene	ND	1000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	1000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	5000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	1000	ug/L	SW846 8270B
Chrysene	ND	1000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	1000	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	1000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	1000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	1000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	1000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	1000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	ND NC,DIL	(11 - 121)
Phenol-d5	ND NC,DIL	(19 - 125)
Nitrobenzene-d5	ND NC,DIL	(49 - 124)
2-Fluorobiphenyl	ND NC,DIL	(46 - 120)
2,4,6-Tribromophenol	ND NC,DIL	(36 - 144)
Terphenyl-d14	ND NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C8102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7328188
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	1000	ug/L	SW846 8270B
2-Chlorophenol	ND	1000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
2-Methylphenol	ND	1000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	1000	ug/L	SW846 8270B
4-Methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	1000	ug/L	SW846 8270B
Hexachloroethane	ND	1000	ug/L	SW846 8270B
Nitrobenzene	ND	1000	ug/L	SW846 8270B
Isophorone	ND	1000	ug/L	SW846 8270B
2-Nitrophenol	ND	1000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	1000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	1000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	1000	ug/L	SW846 8270B
Naphthalene	ND	1000	ug/L	SW846 8270B
4-Chloroaniline	ND	1000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	1000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	1000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	1000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	5000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	1000	ug/L	SW846 8270B
2-Nitroaniline	ND	5000	ug/L	SW846 8270B
Dimethyl phthalate	ND	1000	ug/L	SW846 8270B
Acenaphthylene	ND	1000	ug/L	SW846 8270B
2,6-Dinitrotoluene	**140 J**	**1000**	**ug/L**	**SW846 8270B**
3-Nitroaniline	ND	5000	ug/L	SW846 8270B
Acenaphthene	ND	1000	ug/L	SW846 8270B
2,4-Dinitrophenol	**4200 J**	**5000**	**ug/L**	**SW846 8270B**
4-Nitrophenol	ND	5000	ug/L	SW846 8270B
Dibenzofuran	ND	1000	ug/L	SW846 8270B
2,4-Dinitrotoluene	**1100**	**1000**	**ug/L**	**SW846 8270B**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

GC/MS Semivolatiles

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C8102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	1000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Fluorene	ND	1000	ug/L	SW846 8270B
4-Nitroaniline	ND	5000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	**1700 J**	**5000**	**ug/L**	**SW846 8270B**
N-Nitrosodiphenylamine	ND	1000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Hexachlorobenzene	ND	1000	ug/L	SW846 8270B
Pentachlorophenol	ND	5000	ug/L	SW846 8270B
Phenanthrene	ND	1000	ug/L	SW846 8270B
Anthracene	ND	1000	ug/L	SW846 8270B
Carbazole	ND	1000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	1000	ug/L	SW846 8270B
Fluoranthene	ND	1000	ug/L	SW846 8270B
Pyrene	ND	1000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	1000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	5000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	1000	ug/L	SW846 8270B
Chrysene	ND	1000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	1000	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	1000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	1000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	1000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	1000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	1000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	ND NC,DIL	(11 - 121)
Phenol-d5	ND NC,DIL	(19 - 125)
Nitrobenzene-d5	ND NC,DIL	(49 - 124)
2-Fluorobiphenyl	ND NC,DIL	(46 - 120)
2,4,6-Tribromophenol	ND NC,DIL	(36 - 144)
Terphenyl-d14	ND NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE74R101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-141

Prep Date.....: 11/23/97
Analysis Date..: 11/25/97 **Prep Batch #...:** 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE74R101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(11 - 121)
Phenol-d5	81	(19 - 125)
Nitrobenzene-d5	85	(49 - 124)
2-Fluorobiphenyl	74	(46 - 120)
2,4,6-Tribromophenol	79	(36 - 144)
Terphenyl-d14	95	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE7GW101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-188

Prep Date.....: 11/24/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE7GW101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
Phenol-d5	87	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
2-Fluorobiphenyl	71	(46 - 120)
2,4,6-Tribromophenol	68	(36 - 144)
Terphenyl-d14	88	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE3PT119-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K180154-007 CE3PT11A-MSD
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**92**	**(25 - 117)**			**SW846 8270B**
	85	**(25 - 117)**	**7.4**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**89**	**(34 - 114)**			**SW846 8270B**
	85	**(34 - 114)**	**3.8**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**72**	**(28 - 104)**			**SW846 8270B**
	69	**(28 - 104)**	**4.3**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**84**	**(23 - 113)**			**SW846 8270B**
	73	**(23 - 113)**	**14**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**69**	**(38 - 110)**			**SW846 8270B**
	66	**(38 - 110)**	**4.5**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(40 - 122)**			**SW846 8270B**
	80	**(40 - 122)**	**7.7**	**(0-42)**	**SW846 8270B**
Acenaphthene	**86**	**(48 - 112)**			**SW846 8270B**
	80	**(48 - 112)**	**8.0**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**81**	**(15 - 141)**			**SW846 8270B**
	76	**(15 - 141)**	**6.4**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**91**	**(52 - 118)**			**SW846 8270B**
	86	**(52 - 118)**	**5.3**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**66**	**(25 - 165)**			**SW846 8270B**
	63	**(25 - 165)**	**4.3**	**(0-50)**	**SW846 8270B**
Pyrene	**91**	**(42 - 152)**			**SW846 8270B**
	85	**(42 - 152)**	**6.9**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(11 - 121)
	75	(11 - 121)
Phenol-d5	89	(19 - 125)
	86	(19 - 125)
Nitrobenzene-d5	87	(49 - 124)
	81	(49 - 124)
2-Fluorobiphenyl	81	(46 - 120)
	74	(46 - 120)
2,4,6-Tribromophenol	68	(36 - 144)
	62	(36 - 144)
Terphenyl-d14	82	(22 - 152)
	72	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE74R102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-141
Prep Date.....: 11/23/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**92**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**97**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**74**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**99**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**79**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**90**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**92**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**81**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**94**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**81**	**(25 - 165)**	**SW846 8270B**
Pyrene	**102**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(11 - 121)
Phenol-d5	90	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	87	(46 - 120)
2,4,6-Tribromophenol	88	(36 - 144)
Terphenyl-d14	100	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE7GW102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-188
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**86**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**87**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**72**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**76**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**71**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**81**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**83**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**71**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**83**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**71**	**(25 - 165)**	**SW846 8270B**
Pyrene	**105**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	82	(49 - 124)
2-Fluorobiphenyl	76	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	98	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

GC Semivolatiles

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	10	ug/L	SW846 8081
Aroclor 1221	ND	10	ug/L	SW846 8081
Aroclor 1232	ND	10	ug/L	SW846 8081
Aroclor 1242	ND	10	ug/L	SW846 8081
Aroclor 1248	ND	10	ug/L	SW846 8081
Aroclor 1254	ND	10	ug/L	SW846 8081
Aroclor 1260	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

GC Semivolatiles

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 133)
Decachlorobiphenyl	67	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

GC Semivolatiles

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7325209
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	10	ug/L	SW846 8081
Aroclor 1221	ND	10	ug/L	SW846 8081
Aroclor 1232	ND	10	ug/L	SW846 8081
Aroclor 1242	ND	10	ug/L	SW846 8081
Aroclor 1248	ND	10	ug/L	SW846 8081
Aroclor 1254	ND	10	ug/L	SW846 8081
Aroclor 1260	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

GC Semivolatiles

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 133)
Decachlorobiphenyl	94	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

GC Semivolatiles

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	42	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

GC Semivolatiles

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT103 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 133)
Decachlorobiphenyl	72	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

GC Semivolatiles

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	50	(30 - 133)
Decachlorobiphenyl	59	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

GC Semivolatiles

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	56	(30 - 133)
Decachlorobiphenyl	44	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

GC Semivolatiles

Lot-Sample #...: H7K190172-003 **Work Order #...:** CE4C0103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 133)
Decachlorobiphenyl	49	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

GC Semivolatiles

Lot-Sample #...: H7K190172-005 **Work Order #...:** CE4C2103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 133)
Decachlorobiphenyl	43	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

GC Semivolatiles

Lot-Sample #...: H7K190172-006 **Work Order #...:** CE4C3103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	55	(30 - 133)
Decachlorobiphenyl	35	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

GC Semivolatiles

Lot-Sample #...: H7K190172-007 **Work Order #...:** CE4C4103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	53	(30 - 133)
Decachlorobiphenyl	35	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

GC Semivolatiles

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C5103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 133)
Decachlorobiphenyl	77	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

GC Semivolatiles

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C6103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 133)
Decachlorobiphenyl	46	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

GC Semivolatiles

Lot-Sample #...: H7K190172-010 **Work Order #...:** CE4C7103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	50	ug/L	SW846 8081
Aroclor 1221	ND	50	ug/L	SW846 8081
Aroclor 1232	ND	50	ug/L	SW846 8081
Aroclor 1242	ND	50	ug/L	SW846 8081
Aroclor 1248	ND	50	ug/L	SW846 8081
Aroclor 1254	ND	50	ug/L	SW846 8081
Aroclor 1260	ND	50	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

GC Semivolatiles

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C8103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	50	ug/L	SW846 8081
Aroclor 1221	ND	50	ug/L	SW846 8081
Aroclor 1232	ND	50	ug/L	SW846 8081
Aroclor 1242	ND	50	ug/L	SW846 8081
Aroclor 1248	ND	50	ug/L	SW846 8081
Aroclor 1254	ND	50	ug/L	SW846 8081
Aroclor 1260	ND	50	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE5VA101 **Matrix.....:** WATER
MB Lot-Sample #: H7K210000-209

Prep Date.....: 11/21/97
Analysis Date..: 12/08/97 **Prep Batch #...:** 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 133)
Decachlorobiphenyl	69	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE3PT11C-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K180154-007 CE3PT11D-MSD
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**88**	**(70 - 158)**			**SW846 8081**
	91	**(70 - 158)**	**3.1**	**(0-25)**	**SW846 8081**
Aroclor 1260	**81**	**(70 - 158)**			**SW846 8081**
	79	**(70 - 158)**	**2.8**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
	81	(30 - 133)
Decachlorobiphenyl	85	(30 - 139)
	68	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB011 **Work Order #...:** CE5VA102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K210000-209
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**85**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**80**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene		(30 - 133)
Decachlorobiphenyl		(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

HPLC

Lot-Sample #...: H7K180154-001 **Work Order #...:** CE3PL10V **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND G	0.26	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND G	0.58	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

HPLC

Lot-Sample #...: H7K180154-002 **Work Order #...:** CE3PM10W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

HPLC

Lot-Sample #...: H7K180154-003 **Work Order #...:** CE3PN10W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
HMX	ND	1.0	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND G	0.53	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
RDX	ND	1.0	ug/L	SW846 8330
Tetryl	ND	0.40	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	128	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

HPLC

Lot-Sample #...: H7K180154-004 **Work Order #...:** CE3PP10V **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
HMX	ND	2.5	ug/L	SW846 8330
Nitrobenzene	ND	1.0	ug/L	SW846 8330
2-Nitrotoluene	ND	1.0	ug/L	SW846 8330
3-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	2.5	ug/L	SW846 8330
Tetryl	ND	1.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	1.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	108	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

HPLC

Lot-Sample #...: H7K180154-005 **Work Order #...:** CE3PQ10W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	4.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND G	36	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	4.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	4.0	ug/L	SW846 8330
HMX	ND	10	ug/L	SW846 8330
Nitrobenzene	ND G	5.6	ug/L	SW846 8330
2-Nitrotoluene	ND	4.0	ug/L	SW846 8330
3-Nitrotoluene	ND	4.0	ug/L	SW846 8330
RDX	ND	10	ug/L	SW846 8330
Tetryl	ND	4.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND G	13	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	4.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

HPLC

Lot-Sample #...: H7K180154-007 **Work Order #...:** CE3PT10W **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

HPLC

Lot-Sample #...: H7K190172-001 **Work Order #...:** CE4AT10W **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
HMX	ND	5.0	ug/L	SW846 8330
Nitrobenzene	ND	2.0	ug/L	SW846 8330
2-Nitrotoluene	ND	2.0	ug/L	SW846 8330
3-Nitrotoluene	ND	2.0	ug/L	SW846 8330
RDX	ND	5.0	ug/L	SW846 8330
Tetryl	ND	2.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	2.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	57	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

HPLC

Lot-Sample #...: H7K190172-002 **Work Order #...:** CE4AW10W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

HPLC

Lot-Sample #...: H7K190172-003 **Work Order #...:** CE4C010W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

HPLC

Lot-Sample #...: H7K190172-004 **Work Order #...:** CE4C110U **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

HPLC

Lot-Sample #...: H7K190172-005 **Work Order #...:** CE4C210V **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

HPLC

Lot-Sample #...: H7K190172-006 **Work Order #...:** CE4C310W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	59	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

HPLC

Lot-Sample #...: H7K190172-007 **Work Order #...:** CE4C410W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

HPLC

Lot-Sample #...: H7K190172-008 **Work Order #...:** CE4C510W **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

HPLC

Lot-Sample #...: H7K190172-009 **Work Order #...:** CE4C610W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	10	ug/L	SW846 8330
1,3-Dinitrobenzene	**35**	**10**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	**28**	**10**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8330
HMX	ND	25	ug/L	SW846 8330
Nitrobenzene	ND	10	ug/L	SW846 8330
2-Nitrotoluene	ND	10	ug/L	SW846 8330
3-Nitrotoluene	ND	10	ug/L	SW846 8330
RDX	ND	25	ug/L	SW846 8330
Tetryl	ND	10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	10	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

HPLC

Lot-Sample #...: H7K190172-010 **Work Order #...:** CE4C710W **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	100	ug/L	SW846 8330
1,3-Dinitrobenzene	**1500**	**100**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	**1300**	**100**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	ND	100	ug/L	SW846 8330
HMX	ND	250	ug/L	SW846 8330
Nitrobenzene	ND	100	ug/L	SW846 8330
2-Nitrotoluene	ND	100	ug/L	SW846 8330
3-Nitrotoluene	ND	100	ug/L	SW846 8330
RDX	ND G	500	ug/L	SW846 8330
Tetryl	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**1500**	**100**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	ND	100	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

HPLC

Lot-Sample #...: H7K190172-011 **Work Order #...:** CE4C810V **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326142
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	100	ug/L	SW846 8330
1,3-Dinitrobenzene	**1600**	**100**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	**1600**	**100**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	**210**	**100**	**ug/L**	**SW846 8330**
HMX	ND	250	ug/L	SW846 8330
Nitrobenzene	ND	100	ug/L	SW846 8330
2-Nitrotoluene	ND	100	ug/L	SW846 8330
3-Nitrotoluene	ND	100	ug/L	SW846 8330
RDX	ND G	540	ug/L	SW846 8330
Tetryl	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**1700**	**100**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	ND	100	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB011 **Work Order #...:** CE6R0101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-122

Prep Date.....: 11/22/97
Analysis Date..: 12/02/97 **Prep Batch #...:** 7326122
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB011 **Work Order #...:** CE751101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-142

Prep Date.....: 11/23/97
Analysis Date..: 12/01/97 **Prep Batch #...:** 7326142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	113	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB011 **Work Order #...:** CE3PT12X-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K180154-007 CE3PT130-MSD
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	**99**	**(67 - 130)**			**SW846 8330**
	109	**(67 - 130)**	**9.2**	**(0-25)**	**SW846 8330**
4-Nitrotoluene	**104**	**(54 - 127)**			**SW846 8330**
	107	**(54 - 127)**	**2.5**	**(0-25)**	**SW846 8330**
HMX	**103**	**(71 - 141)**			**SW846 8330**
	95	**(71 - 141)**	**7.8**	**(0-25)**	**SW846 8330**
RDX	**117**	**(59 - 138)**			**SW846 8330**
	118	**(59 - 138)**	**1.5**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**110**	**(79 - 126)**			**SW846 8330**
	115	**(79 - 126)**	**5.1**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**111**	**(76 - 124)**			**SW846 8330**
	114	**(76 - 124)**	**2.5**	**(0-25)**	**SW846 8330**
Tetryl	**86**	**(61 - 157)**			**SW846 8330**
	93	**(61 - 157)**	**8.0**	**(0-25)**	**SW846 8330**
Nitrobenzene	**110**	**(62 - 136)**			**SW846 8330**
	108	**(62 - 136)**	**1.4**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**92**	**(67 - 130)**			**SW846 8330**
	99	**(67 - 130)**	**7.0**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**92**	**(67 - 130)**			**SW846 8330**
	102	**(67 - 130)**	**10**	**(0-25)**	**SW846 8330**
2,6-Dinitrotoluene	**102**	**(59 - 148)**			**SW846 8330**
	108	**(59 - 148)**	**6.5**	**(0-25)**	**SW846 8330**
2,4-Dinitrotoluene	**104**	**(75 - 132)**			**SW846 8330**
	111	**(75 - 132)**	**6.5**	**(0-25)**	**SW846 8330**
2-Nitrotoluene	**99**	**(53 - 149)**			**SW846 8330**
	100	**(53 - 149)**	**0.52**	**(0-25)**	**SW846 8330**
3-Nitrotoluene	**97**	**(54 - 127)**			**SW846 8330**
	101	**(54 - 127)**	**3.9**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(50 - 150)
	101	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB011 **Work Order #...:** CE6R0102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-122
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**88**	**(71 - 141)**	**SW846 8330**
RDX	**118**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**113**	**(76 - 124)**	**SW846 8330**
Tetryl	**88**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**107**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**94**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**94**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**103**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**105**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**95**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**95**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**102**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**101**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB011 **Work Order #...:** CE751102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-142 CE751103-LCSD
Prep Date.....: 11/23/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7326142
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**84**	**(71 - 141)**			**SW846 8330**
	79	**(71 - 141)**	**5.1**	**(0-25)**	**SW846 8330**
RDX	**118**	**(59 - 138)**			**SW846 8330**
	111	**(59 - 138)**	**6.6**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**113**	**(79 - 126)**			**SW846 8330**
	105	**(79 - 126)**	**7.8**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**115**	**(76 - 124)**			**SW846 8330**
	105	**(76 - 124)**	**8.7**	**(0-25)**	**SW846 8330**
Tetryl	**88**	**(61 - 157)**			**SW846 8330**
	82	**(61 - 157)**	**7.3**	**(0-25)**	**SW846 8330**
Nitrobenzene	**113**	**(62 - 136)**			**SW846 8330**
	103	**(62 - 136)**	**9.0**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(67 - 130)**			**SW846 8330**
	89	**(67 - 130)**	**6.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**100**	**(67 - 130)**			**SW846 8330**
	91	**(67 - 130)**	**8.8**	**(0-25)**	**SW846 8330**
2,6-Dinitrotoluene	**106**	**(59 - 148)**			**SW846 8330**
	99	**(59 - 148)**	**6.9**	**(0-25)**	**SW846 8330**
2,4-Dinitrotoluene	**108**	**(75 - 132)**			**SW846 8330**
	99	**(75 - 132)**	**8.4**	**(0-25)**	**SW846 8330**
2-Nitrotoluene	**101**	**(53 - 149)**			**SW846 8330**
	93	**(53 - 149)**	**9.2**	**(0-25)**	**SW846 8330**
3-Nitrotoluene	**101**	**(54 - 127)**			**SW846 8330**
	90	**(54 - 127)**	**12**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**107**	**(67 - 130)**			**SW846 8330**
	97	**(67 - 130)**	**9.6**	**(0-25)**	**SW846 8330**
4-Nitrotoluene	**105**	**(54 - 127)**			**SW846 8330**
	95	**(54 - 127)**	**11**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(50 - 150)
	96	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

TOTAL Metals

Lot-Sample #...: H7K180154-001 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PL10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**370**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL104**
		Dilution Factor: 1				
Arsenic	**10.1**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PL10P**
		Dilution Factor: 1				
Lead	**4.4**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PL10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL105
		Dilution Factor: 1				
Barium	**989**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PL10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PL10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL108
		Dilution Factor: 1				
Calcium	**281000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451

TOTAL Metals

Lot-Sample #...: H7K180154-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1060**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL10E**
		Dilution Factor: 1				
Magnesium	**204000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL10F**
		Dilution Factor: 1				
Manganese	**646**	**15.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10H
		Dilution Factor: 1				
Potassium	**35600**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL10J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10K
		Dilution Factor: 1				
Sodium	**535000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PL10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PL10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5451F

DISSOLVED Metals

Lot-Sample #...: H7K180154-008 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PV10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3PV101
		Dilution Factor: 1				
Arsenic	ND	30.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PV10L
		Dilution Factor: 3				
Lead	ND	9.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PV10M
		Dilution Factor: 3				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV102
		Dilution Factor: 1				
Barium	**1330**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV103**
		Dilution Factor: 1				
Selenium	ND	15.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PV10N
		Dilution Factor: 3				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV104
		Dilution Factor: 1				
Thallium	ND	30.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PV10P
		Dilution Factor: 3				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV105
		Dilution Factor: 1				
Calcium	**311000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5451F

DISSOLVED Metals

Lot-Sample #...: H7K180154-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**606**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10A**
		Dilution Factor: 1				
Magnesium	**241000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10C**
		Dilution Factor: 1				
Manganese	**678**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV10E
		Dilution Factor: 1				
Potassium	**43400**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV10G
		Dilution Factor: 1				
Sodium	**648000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PV10J
		Dilution Factor: 1				
Zinc	**59.1**	**20.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PV10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

TOTAL Metals

AA 2

Lot-Sample #...: H7K180154-002 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PM10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**282**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PM104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PM10P
		Dilution Factor: 1				
Lead	**8.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PM10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PM106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PM10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PM10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM108
		Dilution Factor: 1				
Calcium	**103000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PM109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

TOTAL Metals

Lot-Sample #...: H7K180154-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**493**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PM10E**
		Dilution Factor: 1				
Magnesium	**27600**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PM10F**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10K
		Dilution Factor: 1				
Sodium	**6290**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PM10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PM10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720F

DISSOLVED Metals

A
AA2

Lot-Sample #...: H7K180154-009 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PW10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3PW101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PW10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PW10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW102
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PW10N
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3PW103
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PW10P
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW104
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW105
		Dilution Factor: 1				
Calcium	**106000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PW106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5720F

DISSOLVED Metals

Lot-Sample #...: H7K180154-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**329**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PW10A**
		Dilution Factor: 1				
Magnesium	**28100**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PW10C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10G
		Dilution Factor: 1				
Sodium	**6470**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PW10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PW10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

TOTAL Metals

Lot-Sample #...: H7K180154-003 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PN10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**637**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PN104**
		Dilution Factor: 1				
Arsenic	**16.5**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PN10P**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PN10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN105
		Dilution Factor: 1				
Barium	**1060**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PN106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PN10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PN10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN108
		Dilution Factor: 1				
Calcium	**302000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PN109**
		Dilution Factor: 1				
Chromium	**12.7**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PN10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10C
		Dilution Factor: 1				
Copper	**26.2**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PN10D**
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

TOTAL Metals

Lot-Sample #...: H7K180154-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1920	100	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10E
		Dilution Factor: 1				
Magnesium	218000	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10F
		Dilution Factor: 1				
Manganese	575	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10H
		Dilution Factor: 1				
Potassium	38500	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10K
		Dilution Factor: 1				
Sodium	582000	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10M
		Dilution Factor: 1				
Zinc	32.8	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PN10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450F

DISSOLVED Metals

Lot-Sample #...: H7K180154-010 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PX10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3PX101
		Dilution Factor: 1				
Arsenic	ND	30.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PX10L
		Dilution Factor: 3				
Lead	ND	9.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PX10M
		Dilution Factor: 3				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX102
		Dilution Factor: 1				
Barium	**1260**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PX103**
		Dilution Factor: 1				
Selenium	ND	15.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PX10N
		Dilution Factor: 3				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX104
		Dilution Factor: 1				
Thallium	ND	30.0	ug/L	SW846 6010A	12/15-12/18/97	CE3PX10P
		Dilution Factor: 3				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX105
		Dilution Factor: 1				
Calcium	**305000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3PX106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5450F

DISSOLVED Metals

Lot-Sample #...: H7K180154-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	137	100	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10A
		Dilution Factor: 1				
Magnesium	237000	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10C
		Dilution Factor: 1				
Manganese	516	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10E
		Dilution Factor: 1				
Potassium	42400	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10G
		Dilution Factor: 1				
Sodium	644000	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10J
		Dilution Factor: 1				
Zinc	105	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE3PX10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

TOTAL Metals

Lot-Sample #...: H7K180154-004 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PP10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PP104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PP10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PP10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PP106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PP10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PP10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP108
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PP109
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012

TOTAL Metals

Lot-Sample #...: H7K180154-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10E
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10F
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PP10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012F

DISSOLVED Metals

Lot-Sample #...: H7K180154-011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3Q110Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q110L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q110M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q110N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q110P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1105
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1106
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q1109
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: LOT H012F

DISSOLVED Metals

Lot-Sample #...: H7K180154-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**106**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q110A**
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110C
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q110K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

TOTAL Metals

Add B6 20

Lot-Sample #...: H7K180154-005 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PQ10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**18400**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PQ104**
		Dilution Factor: 1				
Arsenic	**15.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PQ10P**
		Dilution Factor: 1				
Lead	**13.1**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE3PQ10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PQ10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PQ10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ108
		Dilution Factor: 1				
Calcium	**240000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PQ109**
		Dilution Factor: 1				
Chromium	**42.7**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PQ10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10C
		Dilution Factor: 1				
Copper	**29.7**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PQ10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

TOTAL Metals

Lot-Sample #...: H7K180154-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	46700	100	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10E
		Dilution Factor: 1				
Magnesium	96200	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10F
		Dilution Factor: 1				
Manganese	994	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10G
		Dilution Factor: 1				
Nickel	114	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10H
		Dilution Factor: 1				
Potassium	33800	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10K
		Dilution Factor: 1				
Sodium	223000	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10L
		Dilution Factor: 1				
Vanadium	59.7	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10M
		Dilution Factor: 1				
Zinc	105	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PQ10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810F

DISSOLVED Metals

Lot-Sample #...: H7K180154-012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3Q210Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q210L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q210M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q210N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q210P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2105
		Dilution Factor: 1				
Calcium	**167000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q2106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q2109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5810F

DISSOLVED Metals

Lot-Sample #...: H7K180154-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	716	100	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210A
		Dilution Factor: 1				
Magnesium	108000	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210C
		Dilution Factor: 1				
Manganese	65.3	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210E
		Dilution Factor: 1				
Potassium	40600	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210G
		Dilution Factor: 1				
Sodium	296000	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q210K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

TOTAL Metals

Lot-Sample #...: H7K180154-007 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3PT10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PT104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PT10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PT10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE3PT106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PT10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE3PT10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT108
		Dilution Factor: 1				
Calcium	**158000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PT109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

TOTAL Metals

Lot-Sample #...: H7K180154-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**239**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PT10E**
		Dilution Factor: 1				
Magnesium	**34900**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PT10F**
		Dilution Factor: 1				
Manganese	**23.4**	**15.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PT10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10K
		Dilution Factor: 1				
Sodium	**11200**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE3PT10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE3PT10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800F

DISSOLVED Metals

Lot-Sample #...: H7K180154-013 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE3Q3127
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q3101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q311T
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q311W
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q3104
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE3Q3107
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q3121
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q310A
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE3Q3124
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q310E
		Dilution Factor: 1				
Calcium	**176000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q310H**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q310L
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q310P
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q310T
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5800F

DISSOLVED Metals

Lot-Sample #...: H7K180154-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**385**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q310W**
		Dilution Factor: 1				
Magnesium	**38300**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q3111**
		Dilution Factor: 1				
Manganese	**29.2**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q3114**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q3117
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE3Q311A
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q311E
		Dilution Factor: 1				
Sodium	**12200**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE3Q311H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q311L
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE3Q311P
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

TOTAL Metals

Lot-Sample #...: H7K190172-001 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4AT10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE4AT104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AT10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AT10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT105
		Dilution Factor: 1				
Barium	**605**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AT10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AT10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT108
		Dilution Factor: 1				
Calcium	**280000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

TOTAL Metals

Lot-Sample #...: H7K190172-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**930**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10E**
		Dilution Factor: 1				
Magnesium	**177000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10F**
		Dilution Factor: 1				
Manganese	**26.3**	**15.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10H
		Dilution Factor: 1				
Potassium	**58800**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10K
		Dilution Factor: 1				
Sodium	**559000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AT10M
		Dilution Factor: 1				
Zinc	**30.6**	**20.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AT10N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910F

DISSOLVED Metals

Lot-Sample #...: H7K190172-012 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CA10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CA101
		Dilution Factor: 1				
Arsenic	ND	20.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CA10L
		Dilution Factor: 2				
Lead	ND	6.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CA10M
		Dilution Factor: 2				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA102
		Dilution Factor: 1				
Barium	**555**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA103**
		Dilution Factor: 1				
Selenium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CA10N
		Dilution Factor: 2				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA104
		Dilution Factor: 1				
Thallium	ND	20.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CA10P
		Dilution Factor: 2				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA105
		Dilution Factor: 1				
Calcium	**245000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5910F

DISSOLVED Metals

Lot-Sample #...: H7K190172-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/15-12/17/97	CE4CA10A
		Dilution Factor: 1				
Magnesium	**182000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA10C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA10E
		Dilution Factor: 1				
Potassium	**61100**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA10G
		Dilution Factor: 1				
Sodium	**582000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CA10J
		Dilution Factor: 1				
Zinc	**30.9**	**20.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CA10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

TOTAL Metals

Lot-Sample #...: H7K190172-002 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4AW10U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**3290**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AW104**
		Dilution Factor: 1				
Arsenic	ND	100	ug/L	SW846 6010A	12/14-12/18/97	CE4AW10P
		Dilution Factor: 10				
Lead	ND	30.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AW10Q
		Dilution Factor: 10				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW105
		Dilution Factor: 1				
Barium	**19000**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AW106**
		Dilution Factor: 1				
Selenium	ND	50.0	ug/L	SW846 6010A	12/14-12/18/97	CE4AW10R
		Dilution Factor: 10				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW107
		Dilution Factor: 1				
Thallium	ND	100	ug/L	SW846 6010A	12/14-12/18/97	CE4AW10T
		Dilution Factor: 10				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW108
		Dilution Factor: 1				
Calcium	**2140000**	**100000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AW109**
		Dilution Factor: 20				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10C
		Dilution Factor: 1				
Copper	**32.8**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4AW10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

TOTAL Metals

Lot-Sample #...: H7K190172-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13200	100	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10E
		Dilution Factor: 1				
Magnesium	920000	100000	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10F
		Dilution Factor: 20				
Manganese	180	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10H
		Dilution Factor: 1				
Potassium	92300	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10K
		Dilution Factor: 1				
Sodium	7660000	100000	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10L
		Dilution Factor: 20				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10M
		Dilution Factor: 1				
Zinc	41.6	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE4AW10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960F

DISSOLVED Metals

Lot-Sample #...: H7K190172-013 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CC10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CC101
		Dilution Factor: 1				
Arsenic	ND	200	ug/L	SW846 6010A	12/15-12/18/97	CE4CC10L
		Dilution Factor: 20				
Lead	ND	60.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CC10M
		Dilution Factor: 20				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC102
		Dilution Factor: 1				
Barium	**21000**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CC103**
		Dilution Factor: 1				
Selenium	ND	100	ug/L	SW846 6010A	12/15-12/18/97	CE4CC10N
		Dilution Factor: 20				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC104
		Dilution Factor: 1				
Thallium	ND	200	ug/L	SW846 6010A	12/15-12/18/97	CE4CC10P
		Dilution Factor: 20				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC105
		Dilution Factor: 1				
Calcium	**2570000**	**100000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CC106**
		Dilution Factor: 20				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5960F

DISSOLVED Metals

Lot-Sample #...: H7K190172-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2310	100	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10A
		Dilution Factor: 1				
Magnesium	1090000	100000	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10C
		Dilution Factor: 20				
Manganese	162	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10E
		Dilution Factor: 1				
Potassium	103000	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10G
		Dilution Factor: 1				
Sodium	9110000	100000	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10H
		Dilution Factor: 20				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CC10K
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

TOTAL Metals

Lot-Sample #...: H7K190172-003 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C010U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**310**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C0104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C010P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C010Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C0105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE4C0106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C010R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C0107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C010T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C0108
		Dilution Factor: 1				
Calcium	**133000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C0109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

TOTAL Metals

Lot-Sample #...: H7K190172-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**830**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C010E**
		Dilution Factor: 1				
Magnesium	**21900**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C010F**
		Dilution Factor: 1				
Manganese	**1130**	**15.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C010G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C010J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C010L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C010M
		Dilution Factor: 1				
Zinc	**25.8**	**20.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C010N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5750F

DISSOLVED Metals

Lot-Sample #...: H7K190172-014 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CE10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CE101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CE10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CE10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CE103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CE10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CE10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE105
		Dilution Factor: 1				
Calcium	**131000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CE106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5750F

DISSOLVED Metals

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Lot-Sample #...: H7K190172-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**173**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CE10A**
		Dilution Factor: 1				
Magnesium	**21600**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CE10C**
		Dilution Factor: 1				
Manganese	**1060**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CE10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CE10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

TOTAL Metals

Lot-Sample #...: H7K190172-004 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C110T
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**27300**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C1103**
		Dilution Factor: 1				
Arsenic	**59.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C110N**
		Dilution Factor: 1				
Lead	**29.8**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C110P**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C1104
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE4C1105
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C110Q
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C1106
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C110R
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C1107
		Dilution Factor: 1				
Calcium	**236000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C1108**
		Dilution Factor: 1				
Chromium	**57.1**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C1109**
		Dilution Factor: 1				
Cobalt	**50.8**	**50.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C110A**
		Dilution Factor: 1				
Copper	**47.3**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C110C**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5830

TOTAL Metals

Lot-Sample #...: H7K190172-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	68200	100	ug/L	SW846 6010A	12/14-12/17/97	CE4C110D
		Dilution Factor: 1				
Magnesium	61400	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C110E
		Dilution Factor: 1				
Manganese	1370	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C110F
		Dilution Factor: 1				
Nickel	125	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C110G
		Dilution Factor: 1				
Potassium	14400	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C110H
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C110J
		Dilution Factor: 1				
Sodium	60200	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C110K
		Dilution Factor: 1				
Vanadium	75.2	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C110L
		Dilution Factor: 1				
Zinc	167	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C110M
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5830F

DISSOLVED Metals

Lot-Sample #...: H7K190172-015 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CF10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CF101
		Dilution Factor: 1				
Arsenic	**13.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/15-12/18/97**	**CE4CF10L**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CF10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CF103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CF10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CF10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF105
		Dilution Factor: 1				
Calcium	**140000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CF106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5830F

DISSOLVED Metals

Lot-Sample #...: H7K190172-015 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	139	100	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10A
		Dilution Factor: 1				
Magnesium	49900	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10C
		Dilution Factor: 1				
Manganese	265	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10E
		Dilution Factor: 1				
Potassium	8540	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10G
		Dilution Factor: 1				
Sodium	68500	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CF10K
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

TOTAL Metals

Lot-Sample #...: H7K190172-005 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C210U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**2780**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C2104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C210P
		Dilution Factor: 1				
Lead	**10.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C210Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C2105
		Dilution Factor: 1				
Barium	**338**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C2106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C210R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C2107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C210T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C2108
		Dilution Factor: 1				
Calcium	**135000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C2109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5411

TOTAL Metals

Lot-Sample #...: H7K190172-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	7690	100	ug/L	SW846 6010A	12/14-12/17/97	CE4C210E
		Dilution Factor: 1				
Magnesium	75300	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C210F
		Dilution Factor: 1				
Manganese	724	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210H
		Dilution Factor: 1				
Potassium	36700	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C210J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210K
		Dilution Factor: 1				
Sodium	430000	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C210L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210M
		Dilution Factor: 1				
Zinc	70.3	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C210N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5411F

DISSOLVED Metals

Lot-Sample #...: H7K190172-016 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CG10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CG101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CG10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CG10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG102
		Dilution Factor: 1				
Barium	**328**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CG10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CG10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG105
		Dilution Factor: 1				
Calcium	**125000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5411F

DISSOLVED Metals

Lot-Sample #...: H7K190172-016 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**253**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG10A**
		Dilution Factor: 1				
Magnesium	**77300**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG10C**
		Dilution Factor: 1				
Manganese	**598**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG10E
		Dilution Factor: 1				
Potassium	**37200**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG10G
		Dilution Factor: 1				
Sodium	**451000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CG10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CG10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

TOTAL Metals

Lot-Sample #...: H7K190172-006 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C310U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**654**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C3104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C310P
		Dilution Factor: 1				
Lead	**3.9**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C310Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C3105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE4C3106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C310R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C3107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C310T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C3108
		Dilution Factor: 1				
Calcium	**105000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C3109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310C
		Dilution Factor: 1				
Copper	**33.9**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C310D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

TOTAL Metals

Lot-Sample #...: H7K190172-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	41700	100	ug/L	SW846 6010A	12/14-12/17/97	CE4C310E
		Dilution Factor: 1				
Magnesium	22800	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C310F
		Dilution Factor: 1				
Manganese	677	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310G
		Dilution Factor: 1				
Nickel	42.1	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310H
		Dilution Factor: 1				
Potassium	7240	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C310J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310K
		Dilution Factor: 1				
Sodium	34900	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C310L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310M
		Dilution Factor: 1				
Zinc	48.8	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C310N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420F

DISSOLVED Metals

Lot-Sample #...: H7K190172-017 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CH10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CH101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CH10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CH10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CH103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CH10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CH10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH105
		Dilution Factor: 1				
Calcium	**116000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5420F

DISSOLVED Metals

Lot-Sample #...: H7K190172-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**16300**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH10A**
		Dilution Factor: 1				
Magnesium	**25600**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH10C**
		Dilution Factor: 1				
Manganese	**694**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH10E
		Dilution Factor: 1				
Potassium	**8130**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH10G
		Dilution Factor: 1				
Sodium	**36100**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CH10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CH10K
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

TOTAL Metals

Lot-Sample #...: H7K190172-007 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C410U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**9020**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C4104**
		Dilution Factor: 1				
Arsenic	**17.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C410P**
		Dilution Factor: 1				
Lead	**26.3**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C410Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C4105
		Dilution Factor: 1				
Barium	**520**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C4106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C410R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C4107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C410T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C4108
		Dilution Factor: 1				
Calcium	**161000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C4109**
		Dilution Factor: 1				
Chromium	**18.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C410A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410C
		Dilution Factor: 1				
Copper	**59.5**	**25.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C410D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

TOTAL Metals

Lot-Sample #...: H7K190172-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	22600	100	ug/L	SW846 6010A	12/14-12/17/97	CE4C410E
		Dilution Factor: 1				
Magnesium	79500	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C410F
		Dilution Factor: 1				
Manganese	2240	15.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410H
		Dilution Factor: 1				
Potassium	32900	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C410J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410K
		Dilution Factor: 1				
Sodium	399000	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C410L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410M
		Dilution Factor: 1				
Zinc	126	20.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C410N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410F

DISSOLVED Metals

Lot-Sample #...: H7K190172-018 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CJ10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CJ10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CJ10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ102
		Dilution Factor: 1				
Barium	**366**	**200**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CJ10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CJ10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ105
		Dilution Factor: 1				
Calcium	**121000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5410F

DISSOLVED Metals

Lot-Sample #...: H7K190172-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**563**	**100**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ10A**
		Dilution Factor: 1				
Magnesium	**72400**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ10C**
		Dilution Factor: 1				
Manganese	**1300**	**15.0**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ10E
		Dilution Factor: 1				
Potassium	**32000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ10G
		Dilution Factor: 1				
Sodium	**398000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CJ10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CJ10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

TOTAL Metals

Lot-Sample #...: H7K190172-008 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C510U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	**5080**	**200**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C5104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C510P
		Dilution Factor: 1				
Lead	**9.4**	**3.0**	**ug/L**	**SW846 6010A**	**12/14-12/18/97**	**CE4C510Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C5105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CE4C5106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C510R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C5107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CE4C510T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C5108
		Dilution Factor: 1				
Calcium	**161000**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C5109**
		Dilution Factor: 1				
Chromium	**12.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C510C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C510D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

TOTAL Metals

Lot-Sample #...: H7K190172-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**12300**	**100**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510E**
		Dilution Factor: 1				
Magnesium	**39400**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510F**
		Dilution Factor: 1				
Manganese	**344**	**15.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C510H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C510J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C510K
		Dilution Factor: 1				
Sodium	**8430**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CE4C510M
		Dilution Factor: 1				
Zinc	**43.5**	**20.0**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C510N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740F

DISSOLVED Metals

Lot-Sample #...: H7K190172-019 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CK10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CK101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CK10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CK10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CE4CK103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CK10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CE4CK10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK105
		Dilution Factor: 1				
Calcium	**142000**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CK106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5740F

DISSOLVED Metals

Lot-Sample #...: H7K190172-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10A
		Dilution Factor: 1				
Magnesium	**33300**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CK10C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10G
		Dilution Factor: 1				
Sodium	**7950**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CK10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CE4CK10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

TOTAL Metals

Lot-Sample #...: H7K190172-009 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4C610U
		Dilution Factor: 1				
Prep Batch #...: 7349101						
Aluminum	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C6104
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C610P
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/14-12/18/97	CE4C610Q
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/14-12/17/97	CE4C6105
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C6106
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/14-12/18/97	CE4C610R
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C6107
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C610T
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C6108
		Dilution Factor: 100				
Calcium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C6109
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610A
		Dilution Factor: 100				
Cobalt	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610C
		Dilution Factor: 100				
Copper	ND	2500	ug/L	SW846 6010A	12/14-12/17/97	CE4C610D
		Dilution Factor: 100				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

TOTAL Metals

Lot-Sample #...: H7K190172-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	10000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610E
		Dilution Factor: 100				
Magnesium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610F
		Dilution Factor: 100				
Manganese	**1900**	**1500**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C610G**
		Dilution Factor: 100				
Nickel	ND	4000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610H
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610J
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610K
		Dilution Factor: 100				
Sodium	**1360000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C610L**
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610M
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/14-12/17/97	CE4C610N
		Dilution Factor: 100				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710F

DISSOLVED Metals

Lot-Sample #...: H7K190172-020 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CE4CL10Q
		Dilution Factor: 1				
Prep Batch #...: 7349102						
Aluminum	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL101
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CL10L
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/15-12/18/97	CE4CL10M
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL102
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL103
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/15-12/18/97	CE4CL10N
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CL104
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CL10P
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CL105
		Dilution Factor: 100				
Calcium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL106
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL107
		Dilution Factor: 100				
Cobalt	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL108
		Dilution Factor: 100				
Copper	ND	2500	ug/L	SW846 6010A	12/15-12/17/97	CE4CL109
		Dilution Factor: 100				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5710F

DISSOLVED Metals

Lot-Sample #...: H7K190172-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	10000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10A
		Dilution Factor: 100				
Magnesium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10C
		Dilution Factor: 100				
Manganese	**1890**	**1500**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CL10D**
		Dilution Factor: 100				
Nickel	ND	4000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10E
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10F
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10G
		Dilution Factor: 100				
Sodium	**1450000**	**500000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CL10H**
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10J
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/15-12/17/97	CE4CL10K
		Dilution Factor: 100				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

TOTAL Metals

Lot-Sample #...: H7K190172-010 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	1.0	ug/L	SW846 7470A	12/10/97	CE4C710U
		Dilution Factor: 5				
Prep Batch #...: 7349101						
Aluminum	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C7104
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C710P
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/14-12/18/97	CE4C710Q
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/14-12/17/97	CE4C7105
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C7106
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/14-12/18/97	CE4C710R
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C7107
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C710T
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C7108
		Dilution Factor: 100				
Calcium	**749000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C7109**
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C710A
		Dilution Factor: 100				
Cobalt	**7270**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710C**
		Dilution Factor: 100				
Copper	**3790**	**2500**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710D**
		Dilution Factor: 100				

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PR

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

TOTAL Metals

Lot-Sample #...: H7K190172-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**22000**	**10000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710E**
		Dilution Factor: 100				
Magnesium	**541000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710F**
		Dilution Factor: 100				
Manganese	**34100**	**1500**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710G**
		Dilution Factor: 100				
Nickel	**7600**	**4000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710H**
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C710J
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C710K
		Dilution Factor: 100				
Sodium	**10800000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C710L**
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C710M
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/14-12/17/97	CE4C710N
		Dilution Factor: 100				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700F

DISSOLVED Metals

Lot-Sample #...: H7K190172-021 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	1.0	ug/L	SW846 7470A	12/10/97	CE4CM10Q
		Dilution Factor: 5				
Prep Batch #...: 7349102						
Aluminum	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM101
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CM10L
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/15-12/18/97	CE4CM10M
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM102
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM103
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/15-12/18/97	CE4CM10N
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CM104
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CM10P
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CM105
		Dilution Factor: 100				
Calcium	**753000**	**500000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CM106**
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM107
		Dilution Factor: 100				
Cobalt	**6770**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CM108**
		Dilution Factor: 100				
Copper	**3390**	**2500**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CM109**
		Dilution Factor: 100				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5700F

DISSOLVED Metals

Lot-Sample #...: H7K190172-021 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	12200	10000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10A
		Dilution Factor: 100				
Magnesium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10C
		Dilution Factor: 100				
Manganese	29700	1500	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10D
		Dilution Factor: 100				
Nickel	6820	4000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10E
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10F
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10G
		Dilution Factor: 100				
Sodium	9230000	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10H
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10J
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/15-12/17/97	CE4CM10K
		Dilution Factor: 100				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

TOTAL Metals

Lot-Sample #...: H7K190172-011 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343146						
Mercury	ND	1.0	ug/L	SW846 7470A	12/10/97	CE4C810U
		Dilution Factor: 5				
Prep Batch #...: 7349101						
Aluminum	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C8104
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C810P
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/14-12/18/97	CE4C810Q
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/14-12/17/97	CE4C8105
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/14-12/17/97	CE4C8106
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/14-12/18/97	CE4C810R
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C8107
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/14-12/18/97	CE4C810T
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/14-12/17/97	CE4C8108
		Dilution Factor: 100				
Calcium	**699000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C8109**
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810A
		Dilution Factor: 100				
Cobalt	**6750**	**5000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810C**
		Dilution Factor: 100				
Copper	**3440**	**2500**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810D**
		Dilution Factor: 100				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5701

TOTAL Metals

Lot-Sample #...: H7K190172-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**15900**	**10000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810E**
		Dilution Factor: 100				
Magnesium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810F
		Dilution Factor: 100				
Manganese	**29100**	**1500**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810G**
		Dilution Factor: 100				
Nickel	**7240**	**4000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810H**
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810J
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810K
		Dilution Factor: 100				
Sodium	**9460000**	**500000**	**ug/L**	**SW846 6010A**	**12/14-12/17/97**	**CE4C810L**
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810M
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/14-12/17/97	CE4C810N
		Dilution Factor: 100				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5701F

DISSOLVED Metals

Lot-Sample #...: H7K190172-022 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343147						
Mercury	ND	1.0	ug/L	SW846 7470A	12/10/97	CE4CN10Q
		Dilution Factor: 5				
Prep Batch #...: 7349102						
Aluminum	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN101
		Dilution Factor: 100				
Arsenic	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CN10L
		Dilution Factor: 100				
Lead	ND	300	ug/L	SW846 6010A	12/15-12/18/97	CE4CN10M
		Dilution Factor: 100				
Antimony	ND	6000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN102
		Dilution Factor: 100				
Barium	ND	20000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN103
		Dilution Factor: 100				
Selenium	ND	500	ug/L	SW846 6010A	12/15-12/18/97	CE4CN10N
		Dilution Factor: 100				
Beryllium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CN104
		Dilution Factor: 100				
Thallium	ND	1000	ug/L	SW846 6010A	12/15-12/18/97	CE4CN10P
		Dilution Factor: 100				
Cadmium	ND	500	ug/L	SW846 6010A	12/15-12/17/97	CE4CN105
		Dilution Factor: 100				
Calcium	**754000**	**500000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN106**
		Dilution Factor: 100				
Chromium	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN107
		Dilution Factor: 100				
Cobalt	**7180**	**5000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN108**
		Dilution Factor: 100				
Copper	**3700**	**2500**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN109**
		Dilution Factor: 100				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5701F

DISSOLVED Metals

Lot-Sample #...: H7K190172-022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**15500**	**10000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN10A**
		Dilution Factor: 100				
Magnesium	**515000**	**500000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN10C**
		Dilution Factor: 100				
Manganese	**31100**	**1500**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN10D**
		Dilution Factor: 100				
Nickel	**7820**	**4000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN10E**
		Dilution Factor: 100				
Potassium	ND	500000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN10F
		Dilution Factor: 100				
Silver	ND	1000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN10G
		Dilution Factor: 100				
Sodium	**10100000**	**500000**	**ug/L**	**SW846 6010A**	**12/15-12/17/97**	**CE4CN10H**
		Dilution Factor: 100				
Vanadium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN10J
		Dilution Factor: 100				
Zinc	ND	2000	ug/L	SW846 6010A	12/15-12/17/97	CE4CN10K
		Dilution Factor: 100				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L090000-146 **Prep Batch #...:** 7343146						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CEF0V101
		Dilution Factor: 1				
MB Lot-Sample #: H7L150000-101 **Prep Batch #...:** 7349101						
Aluminum	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10J
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CEJ4L10E
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10K
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/14-12/18/97	CEJ4L10F
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10L
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/14-12/18/97	CEJ4L10G
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10M
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/14-12/18/97	CEJ4L10H
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10N
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10P
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L101
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L102
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L103
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L104
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L105
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L106
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L107
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L108
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L109
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10A
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10C
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/14-12/17/97	CEJ4L10D
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L090000-147 **Prep Batch #...:** 7343147						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10/97	CEF0X101
		Dilution Factor: 1				
MB Lot-Sample #: H7L150000-102 **Prep Batch #...:** 7349102						
Aluminum	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10F
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CEJ4N10A
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10G
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/15-12/18/97	CEJ4N10C
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/15-12/18/97	CEJ4N10D
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10J
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/15-12/18/97	CEJ4N10E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10K
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10L
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10M
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10N
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N10P
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N101
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N102
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N103
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N104
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N105
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N106
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N107
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N108
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/15-12/17/97	CEJ4N109
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K180154-007 **Prep Batch #...:** 7343146							
Mercury	109	(75 - 125)			SW846 7470A	12/10/97	CE3PT12V
	104	(75 - 125)	4.7	(0-20)	SW846 7470A	12/10/97	CE3PT12W
		Dilution Factor: 1					
MS Lot-Sample #: H7K180154-007 **Prep Batch #...:** 7349101							
Aluminum	96	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11E
	97	(80 - 120)	0.98	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11F
		Dilution Factor: 1					
Arsenic	95	(80 - 120)			SW846 6010A	12/14-12/18/97	CE3PT12L
	95	(80 - 120)	0.18	(0-20)	SW846 6010A	12/14-12/18/97	CE3PT12M
		Dilution Factor: 1					
Antimony	106	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11G
	103	(80 - 120)	2.1	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11H
		Dilution Factor: 1					
Lead	92	(80 - 120)			SW846 6010A	12/14-12/18/97	CE3PT12N
	92	(80 - 120)	0.09	(0-20)	SW846 6010A	12/14-12/18/97	CE3PT12P
		Dilution Factor: 1					
Barium	92	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11J
	91	(80 - 120)	1.3	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11K
		Dilution Factor: 1					
Selenium	96	(80 - 120)			SW846 6010A	12/14-12/18/97	CE3PT12Q
	96	(80 - 120)	0.16	(0-20)	SW846 6010A	12/14-12/18/97	CE3PT12R
		Dilution Factor: 1					
Beryllium	100	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11L
	100	(80 - 120)	0.58	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11M
		Dilution Factor: 1					
Thallium	91	(80 - 120)			SW846 6010A	12/14-12/18/97	CE3PT12T
	91	(80 - 120)	0.45	(0-20)	SW846 6010A	12/14-12/18/97	CE3PT12U
		Dilution Factor: 1					
Cadmium	97	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11N
	95	(80 - 120)	2.1	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11P
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	116	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11Q
	86	(80 - 120)	7.1	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11R
		Dilution Factor: 1					
Chromium	101	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11T
	100	(80 - 120)	0.69	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11U
		Dilution Factor: 1					
Cobalt	96	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11V
	95	(80 - 120)	1.6	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT11W
		Dilution Factor: 1					
Copper	97	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT11X
	95	(80 - 120)	2.3	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT120
		Dilution Factor: 1					
Iron	97	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT121
	90	(80 - 120)	6.1	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT122
		Dilution Factor: 1					
Magnesium	105	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT123
	98	(80 - 120)	4.3	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT124
		Dilution Factor: 1					
Manganese	94	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT125
	93	(80 - 120)	1.3	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT126
		Dilution Factor: 1					
Nickel	98	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT127
	97	(80 - 120)	0.96	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT128
		Dilution Factor: 1					
Potassium	98	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT129
	97	(80 - 120)	0.43	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT12A
		Dilution Factor: 1					
Silver	85	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT12C
	85	(80 - 120)	0.73	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT12D
		Dilution Factor: 1					
Sodium	100	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT12E
	97	(80 - 120)	2.5	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT12F
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	97	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT12G
	95	(80 - 120)	1.4	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT12H
		Dilution Factor: 1					
Zinc	99	(80 - 120)			SW846 6010A	12/14-12/17/97	CE3PT12J
	98	(80 - 120)	1.3	(0-20)	SW846 6010A	12/14-12/17/97	CE3PT12K
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K180154-013 **Prep Batch #...:** 7343147							
Mercury	101	(75 - 125)			SW846 7470A	12/10/97	CE3Q3128
	97	(75 - 125)	4.4	(0-20)	SW846 7470A	12/10/97	CE3Q3129
		Dilution Factor: 1					
MS Lot-Sample #: H7K180154-013 **Prep Batch #...:** 7349102							
Aluminum	99	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3102
	101	(80 - 120)	2.0	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3103
		Dilution Factor: 1					
Arsenic	93	(80 - 120)			SW846 6010A	12/15-12/18/97	CE3Q311U
	94	(80 - 120)	1.0	(0-20)	SW846 6010A	12/15-12/18/97	CE3Q311V
		Dilution Factor: 1					
Antimony	103	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3105
	106	(80 - 120)	2.3	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3106
		Dilution Factor: 1					
Lead	94	(80 - 120)			SW846 6010A	12/15-12/18/97	CE3Q311X
	94	(80 - 120)	0.44	(0-20)	SW846 6010A	12/15-12/18/97	CE3Q3120
		Dilution Factor: 1					
Barium	94	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3108
	93	(80 - 120)	0.90	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3109
		Dilution Factor: 1					
Selenium	94	(80 - 120)			SW846 6010A	12/15-12/18/97	CE3Q3122
	95	(80 - 120)	0.45	(0-20)	SW846 6010A	12/15-12/18/97	CE3Q3123
		Dilution Factor: 1					
Beryllium	103	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310C
	103	(80 - 120)	0.33	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310D
		Dilution Factor: 1					
Thallium	90	(80 - 120)			SW846 6010A	12/15-12/18/97	CE3Q3125
	91	(80 - 120)	1.7	(0-20)	SW846 6010A	12/15-12/18/97	CE3Q3126
		Dilution Factor: 1					
Cadmium	101	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310F
	101	(80 - 120)	0.69	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310G
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	92	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310J
	72 N	(80 - 120)	4.5	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310K
		Dilution Factor: 1					
Chromium	103	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310M
	104	(80 - 120)	0.71	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310N
		Dilution Factor: 1					
Cobalt	98	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310Q
	98	(80 - 120)	0.16	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310R
		Dilution Factor: 1					
Copper	99	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310U
	98	(80 - 120)	0.66	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q310V
		Dilution Factor: 1					
Iron	80	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q310X
	80	(80 - 120)	0.0	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3110
		Dilution Factor: 1					
Magnesium	104	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3112
	98	(80 - 120)	3.4	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3113
		Dilution Factor: 1					
Manganese	95	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3115
	96	(80 - 120)	0.40	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3116
		Dilution Factor: 1					
Nickel	102	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q3118
	101	(80 - 120)	0.82	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q3119
		Dilution Factor: 1					
Potassium	102	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q311C
	100	(80 - 120)	2.1	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q311D
		Dilution Factor: 1					
Silver	88	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q311F
	87	(80 - 120)	0.75	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q311G
		Dilution Factor: 1					
Sodium	101	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q311J
	98	(80 - 120)	2.4	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q311K
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	97	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q311M
	98	(80 - 120)	1.0	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q311N
		Dilution Factor: 1					
Zinc	100	(80 - 120)			SW846 6010A	12/15-12/17/97	CE3Q311Q
	101	(80 - 120)	0.44	(0-20)	SW846 6010A	12/15-12/17/97	CE3Q311R
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L090000-146 **Prep Batch #...:** 7343146					
Mercury	99	(80 - 120)	SW846 7470A	12/10/97	CEF0V102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L150000-101 **Prep Batch #...:** 7349101					
Chromium	111	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10Q
		Dilution Factor: 1			
Cobalt	108	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10R
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10T
		Dilution Factor: 1			
Iron	118	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10U
		Dilution Factor: 1			
Magnesium	112	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10V
		Dilution Factor: 1			
Manganese	106	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10W
		Dilution Factor: 1			
Nickel	113	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L10X
		Dilution Factor: 1			
Antimony	117	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L11A
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L11C
		Dilution Factor: 1			
Beryllium	111	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L11D
		Dilution Factor: 1			
Cadmium	112	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L11E
		Dilution Factor: 1			
Calcium	116	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L11F
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	104	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L110
		Dilution Factor: 1			
Silver	99	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L111
		Dilution Factor: 1			
Sodium	105	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L112
		Dilution Factor: 1			
Vanadium	110	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L113
		Dilution Factor: 1			
Zinc	111	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L114
		Dilution Factor: 1			
Arsenic	99	(80 - 120)	SW846 6010A	12/14-12/18/97	CEJ4L115
		Dilution Factor: 1			
Lead	99	(80 - 120)	SW846 6010A	12/14-12/18/97	CEJ4L116
		Dilution Factor: 1			
Selenium	99	(80 - 120)	SW846 6010A	12/14-12/18/97	CEJ4L117
		Dilution Factor: 1			
Thallium	98	(80 - 120)	SW846 6010A	12/14-12/18/97	CEJ4L118
		Dilution Factor: 1			
Aluminum	104	(80 - 120)	SW846 6010A	12/14-12/17/97	CEJ4L119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L090000-147 **Prep Batch #...:** 7343147					
Mercury	98	(80 - 120)	SW846 7470A	12/10/97	CEF0X102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L150000-102 **Prep Batch #...:** 7349102					
Iron	116	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10Q
		Dilution Factor: 1			
Magnesium	112	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10R
		Dilution Factor: 1			
Manganese	106	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10T
		Dilution Factor: 1			
Nickel	111	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10U
		Dilution Factor: 1			
Potassium	105	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10V
		Dilution Factor: 1			
Silver	97	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10W
		Dilution Factor: 1			
Sodium	105	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N10X
		Dilution Factor: 1			
Cadmium	108	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N11A
		Dilution Factor: 1			
Calcium	117	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N11C
		Dilution Factor: 1			
Chromium	111	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N11D
		Dilution Factor: 1			
Cobalt	108	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N11E
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N11F
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	111	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N110
		Dilution Factor: 1			
Zinc	112	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N111
		Dilution Factor: 1			
Arsenic	98	(80 - 120)	SW846 6010A	12/15-12/18/97	CEJ4N112
		Dilution Factor: 1			
Lead	98	(80 - 120)	SW846 6010A	12/15-12/18/97	CEJ4N113
		Dilution Factor: 1			
Selenium	98	(80 - 120)	SW846 6010A	12/15-12/18/97	CEJ4N114
		Dilution Factor: 1			
Thallium	96	(80 - 120)	SW846 6010A	12/15-12/18/97	CEJ4N115
		Dilution Factor: 1			
Aluminum	105	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N116
		Dilution Factor: 1			
Antimony	112	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N117
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N118
		Dilution Factor: 1			
Beryllium	111	(80 - 120)	SW846 6010A	12/15-12/17/97	CEJ4N119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5720

General Chemistry

Lot-Sample #...: H7K180154-002 Work Order #...: CE3PM Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	300	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	5	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Hardness, as CaCO3	370	4	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 2					
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	32	5	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	350	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	1.5	1.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 1.40 - 1.72

IT CORPORATION - KNOXVILLE

Client Sample ID: 5450

General Chemistry

Lot-Sample #...: H7K180154-003 Work Order #...: CE3PN Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	830	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	1900	50	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 50					
Hardness, as CaCO3	1800	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	7	5	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	3600	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	16	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	6.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 14.1 - 16.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5810

General Chemistry

Lot-Sample #...: H7K180154-005 Work Order #...: CE3PQ Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	430	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	410	10	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 10					
Hardness, as CaCO3	900	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	240	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	1700	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	12	2.0	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 2					
Total Suspended Solids	250	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 11.84 - 13.14

IT CORPORATION - KNOXVILLE

Client Sample ID: 5800

General Chemistry

Lot-Sample #...: H7K180154-007 Work Order #...: CE3PT Matrix.....: WATER
Date Sampled...: 11/16/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	400	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	6	1	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 1					
Hardness, as CaCO3	540	4	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 2					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	110	50	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	600	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	2.9	2.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	12	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.53 - 3.46

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

General Chemistry

Lot-Sample #...: H7K180154-014 Work Order #...: CE3Q4 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	780	10	mg/L	MCAWW 325.2	12/05/97	7344217
	Dilution Factor: 10					
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
	Dilution Factor: 1					
Sulfate	70	10	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 2					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

General Chemistry

Lot-Sample #...: H7K180154-015 **Work Order #...:** CE3Q5 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/18/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**90**	**1**	**mg/L**	**MCAWW 325.2**	**12/05/97**	**7344217**
		Dilution Factor: 1				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
		Dilution Factor: 1				
Sulfate	**140**	**50**	**mg/L**	**MCAWW 375.4**	**11/25/97**	**7330112**
		Dilution Factor: 10				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5910

General Chemistry

Lot-Sample #...: H7K190172-001 Work Order #...: CE4AT Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	85	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	1400	50	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 50					
Hardness, as CaCO3	1500	10	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	ND	5	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	3200	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	11	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 9.46 - 14.05

IT CORPORATION - KNOXVILLE

Client Sample ID: 5960

General Chemistry

Lot-Sample #...: H7K190172-002 Work Order #...: CE4AW Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	240	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	19000	400	mg/L	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 400					
Hardness, as CaCO3	20000	1000	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 500					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	ND	5	mg/L	MCAWW 375.4	11/25/97	7330112
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	32000	200	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 20					
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 1					
Total Suspended Solids	74	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 0.66 - 0.91

IT CORPORATION - KNOXVILLE

Client Sample ID: 5750

General Chemistry

Lot-Sample #...: H7K190172-003 Work Order #...: CE4C0 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	340	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	6	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	540	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	54	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	410	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 1					
Total Organic Carbon	2.0	1.0	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.48 - 4.25

IT CORPORATION - KNOXVILLE

Client Sample ID: 5420

General Chemistry

Lot-Sample #...: H7K190172-006 Work Order #...: CE4C3 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	180	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Hardness, as CaCO3	360	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	730	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	12	4.0	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 2					
Total Suspended Solids	480	8.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 10.94 - 12.86

IT CORPORATION - KNOXVILLE

Client Sample ID: 5410

General Chemistry

Lot-Sample #...: H7K190172-007 Work Order #...: CE4C4 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	350	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Hardness, as CaCO3	1000	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	1800	20	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 2					
Total Organic Carbon	ND DIL	5.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	10	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

TOC range: 2.20 - 2.52

IT CORPORATION - KNOXVILLE

Client Sample ID: 5740

General Chemistry

Lot-Sample #...: H7K190172-008 Work Order #...: CE4C5 Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	590	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	21	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	860	20	mg/L	MCAWW 130.2	12/02/97	7323132
	Dilution Factor: 10					
Nitrate	0.6	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	54	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	500	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	3.1	1.0	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.93 - 3.17

IT CORPORATION - KNOXVILLE

Client Sample ID: 5710

General Chemistry

Lot-Sample #...: H7K190172-009 Work Order #...: CE4C6 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	860	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	7200	400	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 400					
Hardness, as CaCO3	2200	20	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 10					
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	3000	500	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 100					
Total Cyanide	0.036	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	8300	40	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 4					
Total Dissolved Solids	8700	100	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 10					
Total Organic Carbon	1300	100	mg/L	SW846 9060	12/04-12/05/97	7339221
	Dilution Factor: 100					
Total Suspended Solids	8.0	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 1198 - 1331

IT CORPORATION - KNOXVILLE

Client Sample ID: 5700

General Chemistry

Lot-Sample #...: H7K190172-010 Work Order #...: CE4C7 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	990	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	6500	2000	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 2000					
Hardness, as CaCO3	13000	1000	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 500					
Nitrate	1600	200	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 2000					
Sulfate	12000	2000	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 400					
Total Cyanide	0.24	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
	Dilution Factor: 1					
Total Dissolved Solids	46000	100	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 10					
Total Dissolved Solids	50000	200	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 20					
Total Organic Carbon	14000	1000	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 1000					
Total Suspended Solids	73	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 13000 - 14000

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CEA60101		MB Lot-Sample #:	B7L010000-144	
	ND	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFTP101		MB Lot-Sample #:	B7L100000-217	
	ND	1	mg/L	MCAWW 325.2	12/05/97	7344217
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFV1101		MB Lot-Sample #:	B7L100000-219	
	ND	1	mg/L	MCAWW 325.2	12/08/97	7344219
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFVL101		MB Lot-Sample #:	B7L100000-225	
	ND	1	mg/L	MCAWW 325.2	12/09/97	7344225
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CE3RW101		MB Lot-Sample #:	B7K190000-132	
	ND	2	mg/L	MCAWW 130.2	12/02/97	7323132
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CEDH4101		MB Lot-Sample #:	B7L050000-123	
	ND	2	mg/L	MCAWW 130.2	12/04/97	7339123
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CEH0F101		MB Lot-Sample #:	B7L120000-127	
	ND	2	mg/L	MCAWW 130.2	12/11/97	7346127
		Dilution Factor: 1				
Nitrate		Work Order #: CE3V7101		MB Lot-Sample #:	B7K190000-149	
	ND	0.1	mg/L	MCAWW 353.2	11/18/97	7323149
		Dilution Factor: 1				
Nitrate		Work Order #: CE6RD101		MB Lot-Sample #:	B7K220000-124	
	ND	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
		Dilution Factor: 1				
Nitrate		Work Order #: CE8RJ101		MB Lot-Sample #:	B7K260000-116	
	ND	0.1	mg/L	MCAWW 353.2	11/24/97	7330116
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CE8RF101		MB Lot-Sample #:	B7K260000-112	
	ND	5	mg/L	MCAWW 375.4	11/25/97	7330112
		Dilution Factor: 1				
Sulfate		Work Order #: CEFPL101		MB Lot-Sample #:	B7L100000-195	
	ND	5	mg/L	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1				
Total Cyanide		Work Order #: CE9WF101		MB Lot-Sample #:	H7K280000-127	
	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CE82J101		MB Lot-Sample #:	B7K250000-139	
	ND	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEAAL101		MB Lot-Sample #:	B7L010000-221	
	ND	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEDXF101		MB Lot-Sample #:	B7L050000-221	
	ND	1.0	mg/L	SW846 9060	12/04/97	7339221
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEHJ6101		MB Lot-Sample #:	B7L120000-219	
	ND	1.0	mg/L	SW846 9060	12/10/97	7346219
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CE82H101		MB Lot-Sample #:	B7K250000-138	
	ND	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEAAN101		MB Lot-Sample #:	B7L010000-223	
	ND	4.0	mg/L	MCAWW 160.2	11/24-12/01/97	7335223
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB011 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		WO#:	CE27G11A-MS/CE27G11C-MSD			MS Lot-Sample #:	H7K140159-001
	102	(90 - 114)			MCAWW 325.2	12/05/97	7344217
	101	(90 - 114)	0.39	(0-12)	MCAWW 325.2	12/05/97	7344217
		Dilution Factor: 1					
Chloride - Automated		WO#:	CE7CD104-MS/CE7CD105-MSD			MS Lot-Sample #:	H7K220147-008
	90	(90 - 114)			MCAWW 325.2	12/09/97	7344225
	91	(90 - 114)	0.28	(0-12)	MCAWW 325.2	12/09/97	7344225
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CE32812M-MS/CE32812X-MSD			MS Lot-Sample #:	H7K170117-002
	106	(90 - 110)			MCAWW 130.2	12/02/97	7323132
	104	(90 - 110)	0.69	(0-20)	MCAWW 130.2	12/02/97	7323132
		Dilution Factor: 1					
Sulfate		WO#:	CE6J710A-MS/CE6J710C-MSD			MS Lot-Sample #:	H7K210210-001
	90	(80 - 120)			MCAWW 375.4	12/03/97	7344195
	81	(80 - 120)	8.6	(0-20)	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CE27G118-MS/CE27G119-MSD			MS Lot-Sample #:	H7K140159-001
	104	(90 - 112)			SW846 9060	12/04/97	7339221
	102	(90 - 112)	1.2	(0-20)	SW846 9060	12/04/97	7339221
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CE55H109-MS/CE55H10A-MSD			MS Lot-Sample #:	H7K200176-004
	106	(90 - 112)			SW846 9060	12/10-12/12/97	7346219
	107	(90 - 112)	0.53	(0-20)	SW846 9060	12/10-12/12/97	7346219
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H7K180154 **Work Order #...:** CE55K-SMP CE55K-DUP **Matrix.....:** WATER

Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hardness, as CaCO3						SD Lot-Sample #: H7K200176-006		
	760	780	mg/L	2.6	(0-20)	MCAWW 130.2	12/04/97	7339123

Dilution Factor: 10

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH WO#:CEA60102-LCS/CEA60103-LCSD LCS Lot-Sample#: B7L010000-144							
	102	(90 - 110)			MCAWW 310.1	11/26/97	7335144
	102	(90 - 110)	0.0	(0-20)	MCAWW 310.1	11/26/97	7335144
		Dilution Factor: 1					
Chloride - Automated WO#:CEFTP102-LCS/CEFTP103-LCSD LCS Lot-Sample#: B7L100000-217							
	107	(90 - 115)			MCAWW 325.2	12/05/97	7344217
	108	(90 - 115)	0.07	(0-20)	MCAWW 325.2	12/05/97	7344217
		Dilution Factor: 1					
Chloride - Automated WO#:CEFVL102-LCS/CEFVL103-LCSD LCS Lot-Sample#: B7L100000-225							
	111	(90 - 115)			MCAWW 325.2	12/09/97	7344225
	111	(90 - 115)	0.42	(0-20)	MCAWW 325.2	12/09/97	7344225
		Dilution Factor: 1					
Chloride - Automated WO#:CEFV1102-LCS/CEFV1103-LCSD LCS Lot-Sample#: B7L100000-219							
	105	(90 - 115)			MCAWW 325.2	12/08/97	7344219
	97	(90 - 115)	7.7	(0-20)	MCAWW 325.2	12/08/97	7344219
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CEDH4102-LCS/CEDH4103-LCSD LCS Lot-Sample#: B7L050000-123							
	100	(90 - 110)			MCAWW 130.2	12/04/97	7339123
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/04/97	7339123
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CEH0F102-LCS/CEH0F103-LCSD LCS Lot-Sample#: B7L120000-127							
	100	(90 - 110)			MCAWW 130.2	12/11/97	7346127
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/11/97	7346127
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CE3RW102-LCS/CE3RW103-LCSD LCS Lot-Sample#: B7K190000-132							
	100	(90 - 110)			MCAWW 130.2	12/02/97	7323132
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/02/97	7323132
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:CE3V7102-LCS/CE3V7103-LCSD LCS Lot-Sample#: B7K190000-149					
	94	(90 - 110)			MCAWW 353.2	11/18/97	7323149
	99	(90 - 110)	5.5	(0-20)	MCAWW 353.2	11/18/97	7323149
		Dilution Factor: 1					
Nitrate		WO#:CE6RD102-LCS/CE6RD103-LCSD LCS Lot-Sample#: B7K220000-124					
	104	(90 - 110)			MCAWW 353.2	11/20/97	7326124
	102	(90 - 110)	1.7	(0-20)	MCAWW 353.2	11/20/97	7326124
		Dilution Factor: 1					
Nitrate		WO#:CE8RJ102-LCS/CE8RJ103-LCSD LCS Lot-Sample#: B7K260000-116					
	100	(90 - 110)			MCAWW 353.2	11/24/97	7330116
	99	(90 - 110)	0.75	(0-20)	MCAWW 353.2	11/24/97	7330116
		Dilution Factor: 1					
Sulfate		WO#:CEFPL102-LCS/CEFPL103-LCSD LCS Lot-Sample#: B7L100000-195					
	94	(90 - 110)			MCAWW 375.4	12/03/97	7344195
	91	(90 - 110)	3.2	(0-20)	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1					
Sulfate		WO#:CE8RF102-LCS/CE8RF103-LCSD LCS Lot-Sample#: B7K260000-112					
	90	(90 - 110)			MCAWW 375.4	11/25/97	7330112
	93	(90 - 110)	3.1	(0-20)	MCAWW 375.4	11/25/97	7330112
		Dilution Factor: 1					
Total Cyanide		WO#:CE9WF102-LCS/CE9WF103-LCSD LCS Lot-Sample#: H7K280000-127					
	96	(81 - 110)			SW846 9010A	11/24-11/25/97	7332127
	96	(81 - 110)	0.0	(0-20)	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAL102-LCS/CEAAL103-LCSD LCS Lot-Sample#: B7L010000-221					
	100	(84 - 114)			MCAWW 160.1	11/24-11/25/97	7335221
	99	(84 - 114)	1.3	(0-20)	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CE82J102-LCS/CE82J103-LCSD LCS Lot-Sample#: B7K250000-139					
	99	(84 - 114)			MCAWW 160.1	11/20-11/24/97	7329139
	99	(84 - 114)	0.40	(0-20)	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB011 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:CEDXF102-LCS/CEDXF103-LCSD				LCS Lot-Sample#: B7L050000-221	
	104	(90 - 112)			SW846 9060	12/04/97	7339221
	103	(90 - 112)	0.52	(0-20)	SW846 9060	12/04/97	7339221
		Dilution Factor: 1					
Total Organic Carbon		WO#:CEHJ6102-LCS/CEHJ6103-LCSD				LCS Lot-Sample#: B7L120000-219	
	103	(90 - 112)			SW846 9060	12/10/97	7346219
	103	(90 - 112)	0.57	(0-20)	SW846 9060	12/10/97	7346219
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEAAN102-LCS/CEAAN103-LCSD				LCS Lot-Sample#: B7L010000-223	
	95	(76 - 121)			MCAWW 160.2	11/24-12/01/97	7335223
	99	(76 - 121)	3.9	(0-20)	MCAWW 160.2	11/24-12/01/97	7335223
		Dilution Factor: 1					
Total Suspended Solids		WO#:CE82H102-LCS/CE82H103-LCSD				LCS Lot-Sample#: B7K250000-138	
	90	(76 - 121)			MCAWW 160.2	11/20-11/24/97	7329138
	89	(76 - 121)	1.7	(0-20)	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

QUANTERRA
Environmental Services

Sample Delivery Group
Assignment Form

IT CORPORATION
PLUMBROOK ORDNANCE WORKS
SDG# PB011

*	DATE REC'D	LOT#	CLIENT ID	VOA 8260A	BNA 8270A	PCB 8081	TOTAL 8330	TOTAL METALS	DISS. METALS	CN. 9010A	DISS 8330	ALK 310.1	TDS 160.1	TOC 9060	TSS	CHLORIDE 325.3	NITRATE 353.2	SULFATE 375.3	HARDNESS 130.2
1	11/18/97	H7K180154	5451	X	X	X	X	X	X										
2			5720	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
3			5450	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
4			LOT H012	X	X	X	X	X	X										
5			5810	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
6			5811	X															
7			5800	QC	QC	QC	QC	QC	QC	X		T	T	T	T	T	T	T	T
8			5410													T	T	T	
9			5420													T	T	T	
10	11/19/97	H7K190172	5910	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
11			5960	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
12			5750	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
13			5830	X	X		X	X	X										
14			5411	X	X	X	X	X	X										
15			5420	X	X	X	X	X	X	X		T	T	T	T				T
16			5410	X	X	X	X	X	X	X		T	T	T	T				T
17			5740	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
18			5710	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
19			5700	X	X	X	X	X	X	X		T	T	T	T	T	T	T	T
20			5701	X	X	X	X	X	X										

MATRIX: WATER
ANALYTICAL DUE: 12/18/97
REPORT DUE: 12/22/97
CLOSED?__YES___

1/8/98 1:41 PM

*A = ARCHIVED

H7K80154

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10018

Project Number: 771481

Samples Shipment Date: 17-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Brad Benoit

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant/Kim NAVIER

Carrier/Waybill No.: Fed Ex/801624850579

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown |✓|

Sample Disposal:
Return to Client | | Disposal by Lab |✓| Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 11-17-97 Time: 1630

2. Relinquished By (Signature/Affiliation) Date: Time:

3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Diane Yange Date: 11/18/97 Time: 9:00

2. Received By (Signature/Affiliation) Date: Time:

3. Received By (Signature/Affiliation) Date: Time:

Comments:

TAL METALS = 1 L = FILTERED
1 L = UNFILTERED

ALKALINITY, TDS + TSS = COMBINED IN 1 x 1L HDPE!

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in water	N		RES CL2 ND
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
1+5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in water	N		RES CL2 ND
5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

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Reference Document No: 10018

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
+1 5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS Cl2 ND
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	16-NOV-97	16:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5451	PBOW97-IT-AA1-BEDGW-001-GW-5451-FD	16-NOV-97	16:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS Cl2 ND
LOT H012	PBOW97-LAB-BW-LOT H012-FB	16-NOV-97	08:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
+1 5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS Cl2 ND
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5810	PBOW97-MK-MW20-GW-5810-REG	16-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5811	PBOW97-MK-MW20-BW-5811-TB	16-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS Cl2 ND
5800-MS	PBOW97-MK-MW19-GW-5800-MS-MS	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
5800-MSD	PBOW97-MK-MW19-GW-5800-MSD-MSD	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ABS Cl2 ND
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

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	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
+1	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ASS Cl2 no
	5800	PBOW97-MK-MW19-GW-5800-REG	16-NOV-97	17:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		Custody seals intact received at 2°C
	5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
	5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
	5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
	5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ASS Cl2 no
	5761	PBOW97-MK-MW14-GW-5761-FD	16-NOV-97	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
1+	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
	5770	PBOW97-MK-MW15-GW-5770-REG	16-NOV-97	11:05	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
	5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
	5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
	5720	PBOW97-MK-MW09-GW-5720-REG	16-NOV-97	16:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ASS Cl2 no
1+	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
	5760	PBOW97-MK-MW14-GW-5760-REG	16-NOV-97	10:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
+1	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		↓
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		ASS Cl2 no
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
	5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	16-NOV-97	15:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

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Project Number: 771481
Project Name: PLUMBROOK ORDNANCE WORKS
Sample Coordinator: ~~Dave Russell~~ Bruce Brand
Turnaround Time:

Samples Shipment Date: 17-NOV-97
Lab Destination: Quanterra - ~~Knoxville~~ TAMPA
Lab Contact: John Reynolds / NANCY ROBERTSON
Project Contact: Kim Arrant / Kim NAPIER
Carrier/Waybill No.: Fed Ex/801624652669

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: NITRATE 48 HOUR HOLD

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-17-97 Time: 1630	1. Received By (Signature/Affiliation) Carol McNulty	Date: 11/18/97 Time: 0915
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: QUANTERRA TAMPA, ATTN: NANCY ROBERTSON

NITRATE, SULFATE + CHLORIDE All Collected IN 1 L HDPE, rather than 1 L each.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5770	PBOW97-MK-MW15-GW-5770-REG	17-NOV-97	0740	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5800	PBOW97-MK-MW19-GW-5800-REG	17-NOV-97	0800	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5810	PBOW97-MK-MW20-GW-5810-REG	17-NOV-97	1545	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	1020	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	1020	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	1020	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-REG	17-NOV-97	0945	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10019

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil CID	Condition On Receipt
•5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	17-NOV-97	0745	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
•5430	PBOW97-IT-TNTB-BEDGW-002-GW-5430-RE	17-NOV-97	0745	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
•5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
•5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
•5450	PBOW97-IT-AA1-BEDGW-001-GW-5450-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
•5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
•5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
•5720	PBOW97-MK-MW09-GW-5720-REG	17-NOV-97	0720	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
•5760	PBOW97-MK-MW14-GW-5760-REG	17-NOV-97	0735	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K150172

Reference Document No: 10022

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Russell~~ Bruce Burnett

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624849851

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions: * Alkalinity, TDS & TSS=1 L HDPE; Metals=Filt. and Unfilt.

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Burnett	Date: 11-18-97 Time: 1630	1. Received By (Signature/Affiliation) Diane Yange	Date: 11/19/97 Time: 10:25
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Custody Seals intact received at 2°C DY 11/19/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>10
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
575[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
575[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5751	PBOW97-MK-MW12-BW-5751-TB	17-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K19072

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
583[redacted]	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
583[redacted]	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
583[redacted]	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
583[redacted]	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH=10
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
542[redacted]	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
541[redacted]	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
574[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
574[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5740[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5740[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K190172

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
570	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
570	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
570	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
570	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
570	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
542	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
542	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K19072

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

H7K190172

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10023

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - ~~Knoxville~~ Tampa

Sample Coordinator: ~~Dave Rozell~~ Bruce Bennett

Lab Contact: ~~John Reynolds~~ NANCY ROBERTSON

Turnaround Time:

Project Contact: Kim Arram / KIM NAPIER

Carrier/Waybill No.: Fed Ex/801624852858

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: ~~Kim Arram~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 HOUR HOLD

Possible Hazard Indentification:
Non-hazard ___ Flammable ___ Skin Irritant ___ Poison B ___ Unknown ✓

Sample Disposal:
Return to Client ___ Disposal by Lab ___ Archive ✓ (mos.)

1. Relinquished By (Signature/Affiliation) [signature]	Date: 11-18-97 Time: 1630	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Nitrate, Chloride and Sulfate combined in 1 L HDPE
- All samples collected on 11-18-97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	FR	CID	Condition On Receipt
575[redacted]	PBOW97-MK-MW12-GW-5750-REG	18-NOV-97	0930	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
591[redacted]	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
596[redacted]	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
570[redacted]	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
570[redacted]	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		

FORM NO. 4238 NOV. 18 1997 07:56PM P6

H7K190172

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10023

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil CID	Condition On Receipt
5700[redacted]	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5710[redacted]	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5710[redacted]	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5710[redacted]	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5740[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5740[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5740[redacted]	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5750[redacted]	PBOW97-MK-MW12-GW-5750-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	

NOV. 18 1997 01:58PM P7

Quanterra Environmental Services

Quanterra Condition Upon Receipt Anomaly Report (CUR)
QES - Knoxville

CUR No. N/A
Lot H7R190172

Client: IT Corp
Project Name: PBOW

Date Received: 11/19/97
Initiated By: BPG
RFA/COC Nos.: 10022

Condition/Anomaly/Variance (select from legend - on back):

Client Sample ID	Analytes Requested	Condition (see legend)	Comments/Action
5960	CN	4d	*PROCESS AS RECEIVED.

Corrective Action:

- [ ] Client informed verbally on _____ By: _____ In writing on: _____ By: _____
- [x] Sample(s) processed "as is"
- [ ] Sample(s) ON HOLD until further notice
- [ ] Other action required (see above comments)
- [ ] No action required

Sample Control Reviewer: _____ Project Manager: _____

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

QA026R2.XLS8/29/97

Quanterra Condition Upon Receipt Anomaly Report (CUR)
QES - Knoxville

Legend:

Cooler:
1a Not received, COC available
1b Leaking
1c Other: _____

Temperature:
2a Temp. Blank= _____
2b Cooler Temp= _____
(cooler temp should only be used if there is no Temp. Blank)

Containers:
3a Leaking
3b Broken
3c Extra
3d No labels
3e Headspace (VOA only)
3f Other: _____

Samples:
4a Samples received but not on COC
4b Samples not received but on COC
4c Holding Time Expired
4d Sample Preservative pH=10
4e Other: _____

Custody Seals:
5a None
5b Not intact
5c Other: _____

Chain of Custody(COC):
6a Not relinquished by client
6b Incomplete information
6c Other: _____

Container Labels:
7a Doesn't match COC
7b Incomplete information
7c Marking smeared
7d Label torn
7e Other: _____

Other (8): _____

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Quanterra Environmental Services

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
423 584-4315 Fax

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB012

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

January 7, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB012 : H7K190171

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE4AR	001	5751	11/17/97	07:00
CE4AV	002	5690	11/17/97	16:15
CE4AX	003	5690F	11/17/97	16:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB012 : H7K200177

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE55P	001	5620	11/18/97	13:15
CE55Q	002	5900	11/18/97	11:20
CE55R	003	5611	11/18/97	14:15
CE55T	004	5610	11/18/97	14:15
CE55V	005	5580	11/19/97	11:30
CE55W	006	5560	11/19/97	11:00
CE55X	007	5561	11/19/97	11:00
CE560	008	5550-REG	11/19/97	07:30
CE561	009	5530	11/19/97	07:30
CE562	010	5940	11/19/97	09:15
CE563	011	5470	11/19/97	07:50
CE564	012	5901	11/18/97	07:15
CE59C	013	5620F	11/18/97	13:15
CE59F	014	5900F	11/18/97	11:20
CE59H	015	5611F	11/18/97	14:15
CE59P	016	5610F	11/18/97	13:15
CE59V	017	5580F	11/19/97	11:30
CE5A0	018	5560F	11/19/97	11:00
CE5A3	019	5561F	11/19/97	11:00
CE5A7	020	5550-REGF	11/19/97	07:30
CE5AG	021	5530F	11/19/97	07:30
CE5AL	022	5940F	11/19/97	09:15
CE5AM	023	5470F	11/19/97	07:50

NOTE(S):

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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB012 : H7K210208

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE6HJ	001	5660	11/20/97	13:05
CE6HK	002	5860	11/20/97	12:00
CE6HL	003	5520	11/19/97	14:30
CE6HM	004	5510	11/19/97	15:15
CE6HN	005	5490	11/20/97	08:00
CE6HP	006	5511	11/19/97	07:15
CE6HQ	007	5660F	11/20/97	13:05
CE6HR	008	5860F	11/20/97	12:00
CE6HT	009	5520F	11/19/97	14:30
CE6HV	010	5510F	11/19/97	15:15
CE6HW	011	5490F	11/20/97	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB012

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H7K180154-007	D	11/18/97	LAB MS/MSD
H7K180154-007	S	11/18/97	LAB MS/MSD
H7K190171-001		11/19/97	5751
H7K190171-002		11/19/97	5690
H7K190171-003		11/19/97	5690F
H7K200177-001		11/20/97	5620
H7K200177-002		11/20/97	5900
H7K200177-003		11/20/97	5611
H7K200177-004		11/20/97	5610
H7K200177-005		11/20/97	5580
H7K200177-006		11/20/97	5560
H7K200177-007		11/20/97	5561
H7K200177-008		11/20/97	5550-REG
H7K200177-008	D	11/20/97	5550-REG
H7K200177-008	S	11/20/97	5550-REG
H7K200177-009		11/20/97	5530
H7K200177-010		11/20/97	5940
H7K200177-011		11/20/97	5470
H7K200177-012		11/20/97	5901
H7K200177-013		11/20/97	5620F
H7K200177-014		11/20/97	5900F
H7K200177-015		11/20/97	5611F
H7K200177-016		11/20/97	5610F
H7K200177-017		11/20/97	5580F
H7K200177-018		11/20/97	5560F
H7K200177-019		11/20/97	5561F
H7K200177-020		11/20/97	5550-REGF
H7K200177-020	D	11/20/97	5550-REGF
H7K200177-020	S	11/20/97	5550-REGF
H7K200177-021		11/20/97	5530F
H7K200177-022		11/20/97	5940F
H7K200177-023		11/20/97	5470F
H7K210208-001		11/21/97	5660
H7K210208-002		11/21/97	5860
H7K210208-003		11/21/97	5520
H7K210208-004		11/21/97	5510
H7K210208-005		11/21/97	5490
H7K210208-006		11/21/97	5511
H7K210208-007		11/21/97	5660F
H7K210208-008		11/21/97	5860F

(Continued on next page)

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB012

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H7K210208-009		11/21/97	5520F
H7K210208-010		11/21/97	5510F
H7K210208-011		11/21/97	5490F
H7K250000-129	L	11/20/97	DUPLICATE CHECK
H7K250000-203	L	11/21/97	DUPLICATE CHECK
H7K280000-127	L	11/18/97	DUPLICATE CHECK
H7K280000-128	L	11/20/97	DUPLICATE CHECK
H7L010000-111	L	11/19/97	DUPLICATE CHECK

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB012

PARAMETER	ANALYTICAL METHOD
Dissolved ICP Metals	SW846 6010A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Total Cyanide	SW846 9010A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Volatiles

The matrix spike/matrix spike duplicate relative percent difference for sample 5550-REG were acceptable for all analytes except 1,1-dichloroethene. However, the laboratory control sample showed acceptable results indicating that the analysis was in control.

Semivolatiles

Sample 5900 was reported with elevated reporting limits for all analytes due to the difficult sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly. (*Please note that the dilution did not contain analytes above 20% of the calibration, and the screening chromatogram has been provided).

Surrogate recoveries for sample 5940 were outside control limits. The sample was re-analyzed and the surrogate recoveries were also outside control limits. These results indicate that the surrogate results are due to matrix effects.

Sample 5690 was reported with elevated reporting limits for all analytes due to the difficult sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly. In addition, internal standard perylene-d12 was outside control limits. In order to maintain instrument integrity, no re-analysis was performed. The screening results showed similar results for this internal standard, which has been provided.

Pesticides/PCBs

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample 5550-REG were acceptable for all analytes except Aroclor-1260. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Explosives

The matrix spike recoveries for sample 5550-REG were acceptable for all analytes except RDX. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

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PROJECT NARRATIVE

Metals

The matrix spike/matrix spike duplicate recoveries for samples 5550-REGF and 5550-REG were outside control limits for some analytes. However, the laboratory control samples showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. The affected analytes are flagged appropriately on the matrix spike/matrix spike duplicate report.

COMMENTS:

Volatiles

Sample 5940 was reported with elevated reporting limits for all analytes. Based on screening results, dilutions were necessary prior to analysis; the reporting limits were adjusted accordingly.

Samples 5690 and 5470 were reported with elevated reporting limits for all analytes due to the difficult sample matrix, excessive foaming. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Pesticides/PCBs

Sample 5690 was reported with elevated reporting limits for all analytes due to sample matrix interferences.

Sample 5940 was reported with elevated reporting limits for Aroclor 1221 due to sample matrix interferences.

Explosives

The following samples were reported with elevated reporting limits for one or more analytes due to sample matrix interferences: 5470, 5490, 5550-REG, 5940,5900. The affected analytes are flagged on the sample report.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5751

GC/MS Volatiles

Lot-Sample #...: H7K190171-001 **Work Order #...:** CE4AR101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.91 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.18 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.16 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	93	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5751

GC/MS Volatiles

Lot-Sample #...: H7K190171-001 Work Order #...: CE4AR101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

GC/MS Volatiles

Lot-Sample #...: H7K190171-002 **Work Order #...:** CE4AV101 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	**3.0 J,B**	**5.0**	**ug/L**	**SW846 8260A**
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	103	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

GC/MS Volatiles

Lot-Sample #...: H7K190171-002 Work Order #...: CE4AV101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

GC/MS Volatiles

Lot-Sample #...: H7K200177-001 **Work Order #...:** CE55P101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	93	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

GC/MS Volatiles

Lot-Sample #...: H7K200177-002 **Work Order #...:** CE55Q101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**1.3**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**1.1**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**1.7**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	**0.59 J**	**1.0**	**ug/L**	**SW846 8260A**
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**3.9**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	104	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

GC/MS Volatiles

Lot-Sample #...: H7K200177-003 **Work Order #...:** CE55R101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**32**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

GC/MS Volatiles

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**35**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	93	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

GC/MS Volatiles

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

GC/MS Volatiles

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.20 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

GC/MS Volatiles

Lot-Sample #...: H7K200177-007 **Work Order #...:** CE55X101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.36 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.74 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

GC/MS Volatiles

Lot-Sample #...: H7K200177-007 Work Order #...: CE55X101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

GC/MS Volatiles

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE560101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.27 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	**22**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	**0.21 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

GC/MS Volatiles

Lot-Sample #...: H7K200177-008 Work Order #...: CE560101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

GC/MS Volatiles

Lot-Sample #...: H7K200177-009 **Work Order #...:** CE561101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.33 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.31 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

GC/MS Volatiles

Lot-Sample #...: H7K200177-009 Work Order #...: CE561101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC/MS Volatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	**32**	**5.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	**11**	**5.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	**21**	**5.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	**32**	**5.0**	**ug/L**	**SW846 8260A**
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	**170**	**5.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

GC/MS Volatiles

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE563101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	**2.1 J,B**	**5.0**	**ug/L**	**SW846 8260A**
Acetone	**36 J**	**50**	**ug/L**	**SW846 8260A**
Carbon disulfide	**4.2 J**	**5.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	ND	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

GC/MS Volatiles

Lot-Sample #...: H7K200177-011 Work Order #...: CE563101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5901

GC/MS Volatiles

Lot-Sample #...: H7K200177-012 **Work Order #...:** CE564101 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.70 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5901

GC/MS Volatiles

Lot-Sample #...: H7K200177-012 Work Order #...: CE564101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

GC/MS Volatiles

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.32 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

GC/MS Volatiles

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

GC/MS Volatiles

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.64 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

GC/MS Volatiles

Lot-Sample #...: H7K210208-003 **Work Order #...:** CE6HL101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.24 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	**0.53 J**	**1.0**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.35 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

GC/MS Volatiles

Lot-Sample #...: H7K210208-004 **Work Order #...:** CE6HM101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	87	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

GC/MS Volatiles

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.31 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

GC/MS Volatiles

Lot-Sample #...: H7K210208-005 Work Order #...: CE6HN101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5511

GC/MS Volatiles

Lot-Sample #...: H7K210208-006 **Work Order #...:** CE6HP101 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.58 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	89	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5511

GC/MS Volatiles

Lot-Sample #...: H7K210208-006 Work Order #...: CE6HP101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7CE101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-152

Prep Date.....: 11/24/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7328152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.44 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7CE101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7VG101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-298

Prep Date.....: 11/24/97
Analysis Date..: 11/24/97 **Prep Batch #...:** 7328298
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.32 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7VG101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE81M101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-129

Prep Date.....: 11/25/97
Analysis Date..: 11/25/97 **Prep Batch #...:** 7329129
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.28 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE81M101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CEA3P101 **Matrix.....:** WATER
MB Lot-Sample #: H7L010000-111

Prep Date.....: 12/01/97
Analysis Date..: 12/01/97 **Prep Batch #...:** 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	87	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CEA3P101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H7K200177 **Work Order #...:** CE560102-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K200177-008 CE560103-MSD
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**123**	**(70 - 137)**			**SW846 8260A**
	108 p	**(70 - 137)**	**13**	**(0-12)**	**SW846 8260A**
Trichloroethene	**114**	**(75 - 129)**			**SW846 8260A**
	105	**(75 - 129)**	**8.2**	**(0-14)**	**SW846 8260A**
Benzene	**114**	**(76 - 123)**			**SW846 8260A**
	105	**(76 - 123)**	**8.2**	**(0-10)**	**SW846 8260A**
Toluene	**111**	**(77 - 115)**			**SW846 8260A**
	103	**(77 - 115)**	**7.5**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**109**	**(78 - 116)**			**SW846 8260A**
	100	**(78 - 116)**	**9.1**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(67 - 128)
	104	(67 - 128)
Toluene-d8	100	(71 - 119)
	100	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)
	96	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7CE102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-152
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**108**	**(70 - 137)**	**SW846 8260A**
Benzene	**103**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**	**SW846 8260A**
Toluene	**105**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**102**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE7VG102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-298
Prep Date.....: 11/24/97 **Analysis Date..:** 11/24/97
Prep Batch #...: 7328298
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**111**	**(70 - 137)**	**SW846 8260A**
Benzene	**102**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**104**	**(75 - 129)**	**SW846 8260A**
Toluene	**101**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**98**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CE81M102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-129 CE81M103-LCSD
Prep Date.....: 11/25/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7329129
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**114**	**(70 - 137)**			**SW846 8260A**
	111	**(70 - 137)**	**2.5**	**(0-12)**	**SW846 8260A**
Benzene	**107**	**(76 - 123)**			**SW846 8260A**
	107	**(76 - 123)**	**0.010**	**(0-10)**	**SW846 8260A**
Trichloroethene	**111**	**(75 - 129)**			**SW846 8260A**
	108	**(75 - 129)**	**2.9**	**(0-14)**	**SW846 8260A**
Toluene	**104**	**(77 - 115)**			**SW846 8260A**
	101	**(77 - 115)**	**2.6**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**102**	**(78 - 116)**			**SW846 8260A**
	103	**(78 - 116)**	**0.78**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
	101	(67 - 128)
Toluene-d8	96	(71 - 119)
	101	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)
	95	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB012 **Work Order #...:** CEA3P102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7L010000-111 CEA3P103-LCSD
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**99**	**(70 - 137)**			**SW846 8260A**
	97	**(70 - 137)**	**2.7**	**(0-12)**	**SW846 8260A**
Benzene	**90**	**(76 - 123)**			**SW846 8260A**
	88	**(76 - 123)**	**1.8**	**(0-10)**	**SW846 8260A**
Trichloroethene	**97**	**(75 - 129)**			**SW846 8260A**
	93	**(75 - 129)**	**5.1**	**(0-14)**	**SW846 8260A**
Toluene	**91**	**(77 - 115)**			**SW846 8260A**
	88	**(77 - 115)**	**3.3**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**93**	**(78 - 116)**			**SW846 8260A**
	86	**(78 - 116)**	**7.3**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
	96	(67 - 128)
Toluene-d8	96	(71 - 119)
	94	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)
	87	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

GC/MS Semivolatiles

Lot-Sample #...: H7K190171-002 **Work Order #...:** CE4AV102 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/23/97 **Analysis Date..:** 12/21/97
Prep Batch #...: 7326141
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	1000	ug/L	SW846 8270B
2-Chlorophenol	ND	1000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
2-Methylphenol	ND	1000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	1000	ug/L	SW846 8270B
4-Methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	1000	ug/L	SW846 8270B
Hexachloroethane	ND	1000	ug/L	SW846 8270B
Nitrobenzene	ND	1000	ug/L	SW846 8270B
Isophorone	ND	1000	ug/L	SW846 8270B
2-Nitrophenol	ND	1000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	1000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	1000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	1000	ug/L	SW846 8270B
Naphthalene	ND	1000	ug/L	SW846 8270B
4-Chloroaniline	ND	1000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	1000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	1000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	1000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	5000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	1000	ug/L	SW846 8270B
2-Nitroaniline	ND	5000	ug/L	SW846 8270B
Dimethyl phthalate	ND	1000	ug/L	SW846 8270B
Acenaphthylene	ND	1000	ug/L	SW846 8270B
2,6-Dinitrotoluene	**140 J**	**1000**	**ug/L**	**SW846 8270B**
3-Nitroaniline	ND	5000	ug/L	SW846 8270B
Acenaphthene	ND	1000	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	5000	ug/L	SW846 8270B
4-Nitrophenol	ND	5000	ug/L	SW846 8270B
Dibenzofuran	ND	1000	ug/L	SW846 8270B
2,4-Dinitrotoluene	**1800**	**1000**	**ug/L**	**SW846 8270B**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

GC/MS Semivolatiles

Lot-Sample #...: H7K190171-002 **Work Order #...:** CE4AV102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	1000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Fluorene	ND	1000	ug/L	SW846 8270B
4-Nitroaniline	ND	5000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	**660 J**	**5000**	**ug/L**	**SW846 8270B**
N-Nitrosodiphenylamine	ND	1000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Hexachlorobenzene	ND	1000	ug/L	SW846 8270B
Pentachlorophenol	ND	5000	ug/L	SW846 8270B
Phenanthrene	ND	1000	ug/L	SW846 8270B
Anthracene	ND	1000	ug/L	SW846 8270B
Carbazole	ND	1000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	1000	ug/L	SW846 8270B
Fluoranthene	ND	1000	ug/L	SW846 8270B
Pyrene	ND	1000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	1000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	5000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	1000	ug/L	SW846 8270B
Chrysene	ND	1000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	1000	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	1000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	1000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	1000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	1000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	1000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	ND NC,DIL	(11 - 121)
Phenol-d5	ND NC,DIL	(19 - 125)
Nitrobenzene-d5	ND NC,DIL	(49 - 124)
2-Fluorobiphenyl	ND NC,DIL	(46 - 120)
2,4,6-Tribromophenol	ND NC,DIL	(36 - 144)
Terphenyl-d14	ND NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-001 **Work Order #...:** CE55P102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-001 **Work Order #...:** CE55P102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(11 - 121)
Phenol-d5	78	(19 - 125)
Nitrobenzene-d5	73	(49 - 124)
2-Fluorobiphenyl	73	(46 - 120)
2,4,6-Tribromophenol	68	(36 - 144)
Terphenyl-d14	74	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-002 **Work Order #...:** CE55Q102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	1000	ug/L	SW846 8270B
2-Chlorophenol	ND	1000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
2-Methylphenol	ND	1000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	1000	ug/L	SW846 8270B
4-Methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	1000	ug/L	SW846 8270B
Hexachloroethane	ND	1000	ug/L	SW846 8270B
Nitrobenzene	ND	1000	ug/L	SW846 8270B
Isophorone	ND	1000	ug/L	SW846 8270B
2-Nitrophenol	ND	1000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	1000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	1000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	1000	ug/L	SW846 8270B
Naphthalene	ND	1000	ug/L	SW846 8270B
4-Chloroaniline	ND	1000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	1000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	1000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	1000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	5000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	1000	ug/L	SW846 8270B
2-Nitroaniline	ND	5000	ug/L	SW846 8270B
Dimethyl phthalate	ND	1000	ug/L	SW846 8270B
Acenaphthylene	ND	1000	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	1000	ug/L	SW846 8270B
3-Nitroaniline	ND	5000	ug/L	SW846 8270B
Acenaphthene	ND	1000	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	5000	ug/L	SW846 8270B
4-Nitrophenol	ND	5000	ug/L	SW846 8270B
Dibenzofuran	ND	1000	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	1000	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-002 **Work Order #...:** CE55Q102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	1000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Fluorene	ND	1000	ug/L	SW846 8270B
4-Nitroaniline	ND	5000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	5000	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	1000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Hexachlorobenzene	ND	1000	ug/L	SW846 8270B
Pentachlorophenol	ND	5000	ug/L	SW846 8270B
Phenanthrene	ND	1000	ug/L	SW846 8270B
Anthracene	ND	1000	ug/L	SW846 8270B
Carbazole	ND	1000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	1000	ug/L	SW846 8270B
Fluoranthene	ND	1000	ug/L	SW846 8270B
Pyrene	ND	1000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	1000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	5000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	1000	ug/L	SW846 8270B
Chrysene	ND	1000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	1000	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	1000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	1000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	1000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	1000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	1000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	ND NC,DIL	(11 - 121)
Phenol-d5	ND NC,DIL	(19 - 125)
Nitrobenzene-d5	ND NC,DIL	(49 - 124)
2-Fluorobiphenyl	ND NC,DIL	(46 - 120)
2,4,6-Tribromophenol	ND NC,DIL	(36 - 144)
Terphenyl-d14	ND NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-003 **Work Order #...:** CE55R102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-003 **Work Order #...:** CE55R102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
Phenol-d5	92	(19 - 125)
Nitrobenzene-d5	89	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
2,4,6-Tribromophenol	67	(36 - 144)
Terphenyl-d14	78	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T102 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(11 - 121)
Phenol-d5	60	(19 - 125)
Nitrobenzene-d5	59	(49 - 124)
2-Fluorobiphenyl	53	(46 - 120)
2,4,6-Tribromophenol	38	(36 - 144)
Terphenyl-d14	52	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(11 - 121)
Phenol-d5	78	(19 - 125)
Nitrobenzene-d5	73	(49 - 124)
2-Fluorobiphenyl	67	(46 - 120)
2,4,6-Tribromophenol	54	(36 - 144)
Terphenyl-d14	64	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(11 - 121)
Phenol-d5	90	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
2-Fluorobiphenyl	75	(46 - 120)
2,4,6-Tribromophenol	62	(36 - 144)
Terphenyl-d14	66	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-007 **Work Order #...:** CE55X102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-007 **Work Order #...:** CE55X102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**2.3 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(11 - 121)
Phenol-d5	88	(19 - 125)
Nitrobenzene-d5	84	(49 - 124)
2-Fluorobiphenyl	77	(46 - 120)
2,4,6-Tribromophenol	60	(36 - 144)
Terphenyl-d14	59	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE560104 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE560104 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(11 - 121)
Phenol-d5	84	(19 - 125)
Nitrobenzene-d5	81	(49 - 124)
2-Fluorobiphenyl	73	(46 - 120)
2,4,6-Tribromophenol	66	(36 - 144)
Terphenyl-d14	44	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-009 **Work Order #...:** CE561102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-009 **Work Order #...:** CE561102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(11 - 121)
Phenol-d5	69	(19 - 125)
Nitrobenzene-d5	67	(49 - 124)
2-Fluorobiphenyl	70	(46 - 120)
2,4,6-Tribromophenol	79	(36 - 144)
Terphenyl-d14	41	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**21**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	**2.6 J**	**10**	**ug/L**	**SW846 8270B**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	**2.8 J**	**10**	**ug/L**	**SW846 8270B**
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**5.1 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**3.8 J**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**2.2 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.5 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	47	(11 - 121)
Phenol-d5	54	(19 - 125)
Nitrobenzene-d5	40 *	(49 - 124)
2-Fluorobiphenyl	44 *	(46 - 120)
2,4,6-Tribromophenol	46	(36 - 144)
Terphenyl-d14	49	(22 - 152)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562202 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/21/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**17**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	**1.8 J**	**10**	**ug/L**	**SW846 8270B**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	**2.5 J**	**10**	**ug/L**	**SW846 8270B**
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**5.0 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**3.9 J**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**2.3 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562202 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.5 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	39	(11 - 121)
Phenol-d5	45	(19 - 125)
Nitrobenzene-d5	42 *	(49 - 124)
2-Fluorobiphenyl	44 *	(46 - 120)
2,4,6-Tribromophenol	52	(36 - 144)
Terphenyl-d14	54	(22 - 152)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE563102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**3.1 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

GC/MS Semivolatiles

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE563102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**5.8 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	47	(11 - 121)
Phenol-d5	51	(19 - 125)
Nitrobenzene-d5	50	(49 - 124)
2-Fluorobiphenyl	54	(46 - 120)
2,4,6-Tribromophenol	63	(36 - 144)
Terphenyl-d14	63	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**7.3 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(11 - 121)
Phenol-d5	77	(19 - 125)
Nitrobenzene-d5	76	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
2,4,6-Tribromophenol	85	(36 - 144)
Terphenyl-d14	54	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(11 - 121)
Phenol-d5	75	(19 - 125)
Nitrobenzene-d5	75	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	81	(36 - 144)
Terphenyl-d14	70	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-003 **Work Order #...:** CE6HL102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/20/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-003 **Work Order #...:** CE6HL102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(11 - 121)
Phenol-d5	78	(19 - 125)
Nitrobenzene-d5	78	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	34	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-004 **Work Order #...:** CE6HM102 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/21/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-004 **Work Order #...:** CE6HM102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(11 - 121)
Phenol-d5	71	(19 - 125)
Nitrobenzene-d5	72	(49 - 124)
2-Fluorobiphenyl	74	(46 - 120)
2,4,6-Tribromophenol	77	(36 - 144)
Terphenyl-d14	50	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/21/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

GC/MS Semivolatiles

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(11 - 121)
Phenol-d5	69	(19 - 125)
Nitrobenzene-d5	69	(49 - 124)
2-Fluorobiphenyl	73	(46 - 120)
2,4,6-Tribromophenol	78	(36 - 144)
Terphenyl-d14	60	(22 - 152)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE74R101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-141

Prep Date.....: 11/23/97
Analysis Date..: 11/25/97 **Prep Batch #...:** 7326141
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE74R101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(11 - 121)
Phenol-d5	81	(19 - 125)
Nitrobenzene-d5	85	(49 - 124)
2-Fluorobiphenyl	74	(46 - 120)
2,4,6-Tribromophenol	79	(36 - 144)
Terphenyl-d14	95	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE7GW101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-188

Prep Date.....: 11/24/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7328188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE7GW101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
Phenol-d5	87	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
2-Fluorobiphenyl	71	(46 - 120)
2,4,6-Tribromophenol	68	(36 - 144)
Terphenyl-d14	88	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE87P101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-203

Prep Date.....: 11/25/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE87P101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(11 - 121)
Phenol-d5	84	(19 - 125)
Nitrobenzene-d5	82	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	87	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE560105-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K200177-008 CE560106-MSD
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**80**	**(25 - 117)**			**SW846 8270B**
	95	**(25 - 117)**	**17**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**76**	**(34 - 114)**			**SW846 8270B**
	90	**(34 - 114)**	**16**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**63**	**(28 - 104)**			**SW846 8270B**
	77	**(28 - 104)**	**19**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**71**	**(23 - 113)**			**SW846 8270B**
	97	**(23 - 113)**	**30**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**62**	**(38 - 110)**			**SW846 8270B**
	72	**(38 - 110)**	**14**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**76**	**(40 - 122)**			**SW846 8270B**
	88	**(40 - 122)**	**14**	**(0-42)**	**SW846 8270B**
Acenaphthene	**73**	**(48 - 112)**			**SW846 8270B**
	87	**(48 - 112)**	**17**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**61**	**(15 - 141)**			**SW846 8270B**
	71	**(15 - 141)**	**16**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**81**	**(52 - 118)**			**SW846 8270B**
	97	**(52 - 118)**	**18**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**58**	**(25 - 165)**			**SW846 8270B**
	60	**(25 - 165)**	**3.8**	**(0-50)**	**SW846 8270B**
Pyrene	**63**	**(42 - 152)**			**SW846 8270B**
	79	**(42 - 152)**	**21**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(11 - 121)
	82	(11 - 121)
Phenol-d5	81	(19 - 125)
	90	(19 - 125)
Nitrobenzene-d5	80	(49 - 124)
	87	(49 - 124)
2-Fluorobiphenyl	71	(46 - 120)
	81	(46 - 120)
2,4,6-Tribromophenol	65	(36 - 144)
	71	(36 - 144)
Terphenyl-d14	48	(22 - 152)
	46	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE74R102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-141
Prep Date.....: 11/23/97 **Analysis Date..:** 11/25/97
Prep Batch #...: 7326141
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**92**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**97**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**74**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**99**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**79**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**90**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**92**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**81**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**94**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**81**	**(25 - 165)**	**SW846 8270B**
Pyrene	**102**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(11 - 121)
Phenol-d5	90	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	87	(46 - 120)
2,4,6-Tribromophenol	88	(36 - 144)
Terphenyl-d14	100	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE7GW102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-188
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**86**	**(25 - 117)**	**SW846 8270B**
2-Chlorophenol	**87**	**(34 - 114)**	**SW846 8270B**
1,4-Dichlorobenzene	**72**	**(28 - 104)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**76**	**(23 - 113)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**71**	**(38 - 110)**	**SW846 8270B**
4-Chloro-3-methylphenol	**81**	**(40 - 122)**	**SW846 8270B**
Acenaphthene	**83**	**(48 - 112)**	**SW846 8270B**
4-Nitrophenol	**71**	**(15 - 141)**	**SW846 8270B**
2,4-Dinitrotoluene	**83**	**(52 - 118)**	**SW846 8270B**
Pentachlorophenol	**71**	**(25 - 165)**	**SW846 8270B**
Pyrene	**105**	**(42 - 152)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	82	(49 - 124)
2-Fluorobiphenyl	76	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	98	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE87P102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-203 CE87P103-LCSD
Prep Date.....: 11/25/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**83**	**(25 - 117)**			**SW846 8270B**
	83	**(25 - 117)**	**0.80**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**83**	**(34 - 114)**			**SW846 8270B**
	84	**(34 - 114)**	**1.4**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(28 - 104)**			**SW846 8270B**
	71	**(28 - 104)**	**1.7**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**80**	**(23 - 113)**			**SW846 8270B**
	76	**(23 - 113)**	**5.1**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**71**	**(38 - 110)**			**SW846 8270B**
	72	**(38 - 110)**	**1.7**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**82**	**(40 - 122)**			**SW846 8270B**
	80	**(40 - 122)**	**1.5**	**(0-42)**	**SW846 8270B**
Acenaphthene	**84**	**(48 - 112)**			**SW846 8270B**
	84	**(48 - 112)**	**0.23**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**65**	**(15 - 141)**			**SW846 8270B**
	65	**(15 - 141)**	**1.4**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**83**	**(52 - 118)**			**SW846 8270B**
	84	**(52 - 118)**	**0.71**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**61**	**(25 - 165)**			**SW846 8270B**
	58	**(25 - 165)**	**5.2**	**(0-50)**	**SW846 8270B**
Pyrene	**97**	**(42 - 152)**			**SW846 8270B**
	98	**(42 - 152)**	**1.2**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(11 - 121)
	79	(11 - 121)
Phenol-d5	82	(19 - 125)
	81	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
	81	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
	78	(46 - 120)
2,4,6-Tribromophenol	70	(36 - 144)
	67	(36 - 144)
Terphenyl-d14	95	(22 - 152)
	94	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

GC Semivolatiles

Lot-Sample #...: H7K190171-002 **Work Order #...:** CE4AV103 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	50	ug/L	SW846 8081
Aroclor 1221	ND	50	ug/L	SW846 8081
Aroclor 1232	ND	50	ug/L	SW846 8081
Aroclor 1242	ND	50	ug/L	SW846 8081
Aroclor 1248	ND	50	ug/L	SW846 8081
Aroclor 1254	ND	50	ug/L	SW846 8081
Aroclor 1260	ND	50	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

GC Semivolatiles

Lot-Sample #...: H7K200177-001 **Work Order #...:** CE55P103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	66	(30 - 133)
Decachlorobiphenyl	54	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

GC Semivolatiles

Lot-Sample #...: H7K200177-002 **Work Order #...:** CE55Q103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 133)
Decachlorobiphenyl	45	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

GC Semivolatiles

Lot-Sample #...: H7K200177-003 **Work Order #...:** CE55R103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(30 - 133)
Decachlorobiphenyl	55	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

GC Semivolatiles

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T103 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(30 - 133)
Decachlorobiphenyl	78	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

GC Semivolatiles

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

GC Semivolatiles

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(30 - 133)
Decachlorobiphenyl	75	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

GC Semivolatiles

Lot-Sample #...: H7K200177-007 **Work Order #...:** CE55X103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(30 - 133)
Decachlorobiphenyl	78	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

GC Semivolatiles

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE560107 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	53	(30 - 133)
Decachlorobiphenyl	46	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

GC Semivolatiles

Lot-Sample #...: H7K200177-009 **Work Order #...:** CE561103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(30 - 133)
Decachlorobiphenyl	73	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	1,380 *	(30 - 133)
Decachlorobiphenyl	64	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

GC Semivolatiles

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562203 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7329154
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1221	ND	10	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(30 - 133)
Decachlorobiphenyl	NC,DIL	(30 - 139)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

GC Semivolatiles

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE563103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	587 *	(30 - 133)
Decachlorobiphenyl	66	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

GC Semivolatiles

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(30 - 133)
Decachlorobiphenyl	59	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

GC Semivolatiles

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

GC Semivolatiles

Lot-Sample #...: H7K210208-003 Work Order #...: CE6HL103 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/21/97
Prep Date.....: 11/25/97 Analysis Date..: 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

GC Semivolatiles

Lot-Sample #...: H7K210208-004 **Work Order #...:** CE6HM103 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/10/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(30 - 133)
Decachlorobiphenyl	43	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

GC Semivolatiles

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/10/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(30 - 133)
Decachlorobiphenyl	63	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE5VA101 **Matrix.....:** WATER
MB Lot-Sample #: H7K210000-209

Prep Date.....: 11/21/97
Analysis Date..: 12/08/97 **Prep Batch #...:** 7325209
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 133)
Decachlorobiphenyl	69	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE836101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-154

Prep Date.....: 11/25/97
Analysis Date..: 12/09/97 **Prep Batch #...:** 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 133)
Decachlorobiphenyl	80	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE560108-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K200177-008 CE560109-MSD
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	77	(70 - 158)			**SW846 8081**
	75	(70 - 158)	2.7	(0-25)	**SW846 8081**
Aroclor 1260	68 a	(70 - 158)			**SW846 8081**
	62 a	(70 - 158)	10	(0-25)	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 133)
	68	(30 - 133)
Decachlorobiphenyl	75	(30 - 139)
	68	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE5VA102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K210000-209
Prep Date.....: 11/21/97 **Analysis Date..:** 12/08/97
Prep Batch #...: 7325209
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**85**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**80**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(30 - 133)
Decachlorobiphenyl	81	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB012 **Work Order #...:** CE836102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-154
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**85**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	97	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

HPLC

Lot-Sample #...: H7K190171-002 Work Order #...: CE4AV10W Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97
Prep Date.....: 11/22/97 Analysis Date..: 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	100	ug/L	SW846 8330
1,3-Dinitrobenzene	**1500**	**100**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	**1200**	**100**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	ND	100	ug/L	SW846 8330
HMX	ND	250	ug/L	SW846 8330
Nitrobenzene	ND	100	ug/L	SW846 8330
2-Nitrotoluene	ND	100	ug/L	SW846 8330
3-Nitrotoluene	ND	100	ug/L	SW846 8330
RDX	ND	250	ug/L	SW846 8330
Tetryl	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**2000**	**100**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	ND	100	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

HPLC

Lot-Sample #...: H7K200177-001 **Work Order #...:** CE55P10W **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	116	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

HPLC

Lot-Sample #...: H7K200177-002 **Work Order #...:** CE55Q10W **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
HMX	ND	5.0	ug/L	SW846 8330
Nitrobenzene	ND	2.0	ug/L	SW846 8330
2-Nitrotoluene	ND	2.0	ug/L	SW846 8330
3-Nitrotoluene	ND	2.0	ug/L	SW846 8330
RDX	ND	5.0	ug/L	SW846 8330
Tetryl	ND	2.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	2.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

HPLC

Lot-Sample #...: H7K200177-003 **Work Order #...:** CE55R10V **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

HPLC

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T10W **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

HPLC

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V10W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

HPLC

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W10W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

HPLC

Lot-Sample #...: H7K200177-007 **Work Order #...:** CE55X10V **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

HPLC

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE56012P **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.45	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

HPLC

Lot-Sample #...: H7K200177-009 **Work Order #...:** CE56110W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

HPLC

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE56210W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	**1.0**	**0.20**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	ND G	0.89	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	**2.0**	**0.20**	**ug/L**	**SW846 8330**
2-Nitrotoluene	ND G	0.44	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.21	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**1.5**	**0.20**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	111	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

HPLC

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE56310W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	0.31	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

HPLC

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ10W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

HPLC

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK10W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

HPLC

Lot-Sample #...: H7K210208-003 **Work Order #...:** CE6HL10W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

HPLC

Lot-Sample #...: H7K210208-004 **Work Order #...:** CE6HM10W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

HPLC

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN10W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND G	1.2	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	115	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE6R0101 **Matrix.....:** WATER
MB Lot-Sample #: H7K220000-122

Prep Date.....: 11/22/97
Analysis Date..: 12/02/97 **Prep Batch #...:** 7326122
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE7EL101 **Matrix.....:** WATER
MB Lot-Sample #: H7K240000-171

Prep Date.....: 11/24/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7328171
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE8VP101 **Matrix.....:** WATER
MB Lot-Sample #: H7K260000-150

Prep Date.....: 11/26/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE3PT12X-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K180154-007 CE3PT130-MSD
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**103**	**(71 - 141)**			**SW846 8330**
	95	**(71 - 141)**	**7.8**	**(0-25)**	**SW846 8330**
RDX	**117**	**(59 - 138)**			**SW846 8330**
	118	**(59 - 138)**	**1.5**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**110**	**(79 - 126)**			**SW846 8330**
	115	**(79 - 126)**	**5.1**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**111**	**(76 - 124)**			**SW846 8330**
	114	**(76 - 124)**	**2.5**	**(0-25)**	**SW846 8330**
Tetryl	**86**	**(61 - 157)**			**SW846 8330**
	93	**(61 - 157)**	**8.0**	**(0-25)**	**SW846 8330**
Nitrobenzene	**110**	**(62 - 136)**			**SW846 8330**
	108	**(62 - 136)**	**1.4**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**92**	**(67 - 130)**			**SW846 8330**
	99	**(67 - 130)**	**7.0**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**92**	**(67 - 130)**			**SW846 8330**
	102	**(67 - 130)**	**10**	**(0-25)**	**SW846 8330**
2,6-Dinitrotoluene	**102**	**(59 - 148)**			**SW846 8330**
	108	**(59 - 148)**	**6.5**	**(0-25)**	**SW846 8330**
2,4-Dinitrotoluene	**104**	**(75 - 132)**			**SW846 8330**
	111	**(75 - 132)**	**6.5**	**(0-25)**	**SW846 8330**
2-Nitrotoluene	**99**	**(53 - 149)**			**SW846 8330**
	100	**(53 - 149)**	**0.52**	**(0-25)**	**SW846 8330**
3-Nitrotoluene	**97**	**(54 - 127)**			**SW846 8330**
	101	**(54 - 127)**	**3.9**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**99**	**(67 - 130)**			**SW846 8330**
	109	**(67 - 130)**	**9.2**	**(0-25)**	**SW846 8330**
4-Nitrotoluene	**104**	**(54 - 127)**			**SW846 8330**
	107	**(54 - 127)**	**2.5**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(50 - 150)
	101	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H7K200177 **Work Order #...:** CE56012Q-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K200177-008 CE56012R-MSD
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	**112**	**(67 - 130)**			**SW846 8330**
	111	**(67 - 130)**	**0.48**	**(0-25)**	**SW846 8330**
4-Nitrotoluene	**104**	**(54 - 127)**			**SW846 8330**
	111	**(54 - 127)**	**6.9**	**(0-25)**	**SW846 8330**
HMX	**106**	**(71 - 141)**			**SW846 8330**
	106	**(71 - 141)**	**0.13**	**(0-25)**	**SW846 8330**
RDX	**143 a**	**(59 - 138)**			**SW846 8330**
	135	**(59 - 138)**	**6.0**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(79 - 126)**			**SW846 8330**
	117	**(79 - 126)**	**4.8**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**119**	**(76 - 124)**			**SW846 8330**
	120	**(76 - 124)**	**1.4**	**(0-25)**	**SW846 8330**
Tetryl	**81**	**(61 - 157)**			**SW846 8330**
	93	**(61 - 157)**	**13**	**(0-25)**	**SW846 8330**
Nitrobenzene	**107**	**(62 - 136)**			**SW846 8330**
	107	**(62 - 136)**	**0.14**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**99**	**(67 - 130)**			**SW846 8330**
	104	**(67 - 130)**	**5.5**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**104**	**(67 - 130)**			**SW846 8330**
	105	**(67 - 130)**	**0.85**	**(0-25)**	**SW846 8330**
2,6-Dinitrotoluene	**114**	**(59 - 148)**			**SW846 8330**
	117	**(59 - 148)**	**2.9**	**(0-25)**	**SW846 8330**
2,4-Dinitrotoluene	**115**	**(75 - 132)**			**SW846 8330**
	120	**(75 - 132)**	**4.2**	**(0-25)**	**SW846 8330**
2-Nitrotoluene	**95**	**(53 - 149)**			**SW846 8330**
	96	**(53 - 149)**	**0.94**	**(0-25)**	**SW846 8330**
3-Nitrotoluene	**98**	**(54 - 127)**			**SW846 8330**
	98	**(54 - 127)**	**0.40**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	116	(50 - 150)
	113	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE6R0102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K220000-122
Prep Date.....: 11/22/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7326122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**88**	**(71 - 141)**	**SW846 8330**
RDX	**118**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**113**	**(76 - 124)**	**SW846 8330**
Tetryl	**88**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**107**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**94**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**94**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**103**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**105**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**95**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**95**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**102**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**101**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE7EL102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K240000-171
Prep Date.....: 11/24/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7328171
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**77**	**(71 - 141)**	**SW846 8330**
RDX	**97**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**99**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**95**	**(76 - 124)**	**SW846 8330**
Tetryl	**84**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**86**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**89**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**89**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**95**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**99**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**88**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**87**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**96**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**92**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB012 **Work Order #...:** CE8VP102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K260000-150
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**76**	**(71 - 141)**	**SW846 8330**
RDX	**98**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**102**	**(76 - 124)**	**SW846 8330**
Tetryl	**83**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**93**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**91**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**92**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**101**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**102**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**90**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**89**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**97**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**97**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

TOTAL Metals

Lot-Sample #...: H7K190171-002 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE4AV10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**8960**	**2000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV104**
		Dilution Factor: 10				
Arsenic	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10P
		Dilution Factor: 10				
Lead	ND	30.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10Q
		Dilution Factor: 10				
Antimony	ND	600	ug/L	SW846 6010A	12/16-12/18/97	CE4AV105
		Dilution Factor: 10				
Barium	ND	2000	ug/L	SW846 6010A	12/16-12/18/97	CE4AV106
		Dilution Factor: 10				
Selenium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10R
		Dilution Factor: 10				
Beryllium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AV107
		Dilution Factor: 10				
Thallium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10T
		Dilution Factor: 10				
Cadmium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AV108
		Dilution Factor: 10				
Calcium	**625000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV109**
		Dilution Factor: 10				
Chromium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10A
		Dilution Factor: 10				
Cobalt	**2320**	**500**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10C**
		Dilution Factor: 10				
Copper	**887**	**250**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10D**
		Dilution Factor: 10				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

TOTAL Metals

Lot-Sample #...: H7K190171-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**21700**	**1000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10E**
		Dilution Factor: 10				
Magnesium	**189000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10F**
		Dilution Factor: 10				
Manganese	**17000**	**150**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10G**
		Dilution Factor: 10				
Nickel	**1710**	**400**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10H**
		Dilution Factor: 10				
Potassium	ND	50000	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10J
		Dilution Factor: 10				
Silver	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10K
		Dilution Factor: 10				
Sodium	**3540000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AV10L**
		Dilution Factor: 10				
Vanadium	ND	500	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10M
		Dilution Factor: 10				
Zinc	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE4AV10N
		Dilution Factor: 10				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690F

DISSOLVED Metals

Lot-Sample #...: H7K190171-003 **Matrix.....:** WATER
Date Sampled...: 11/17/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE4AX10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	2000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX101
		Dilution Factor: 10				
Arsenic	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10L
		Dilution Factor: 10				
Lead	ND	30.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10M
		Dilution Factor: 10				
Antimony	ND	600	ug/L	SW846 6010A	12/16-12/18/97	CE4AX102
		Dilution Factor: 10				
Barium	ND	2000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX103
		Dilution Factor: 10				
Selenium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10N
		Dilution Factor: 10				
Beryllium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AX104
		Dilution Factor: 10				
Thallium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10P
		Dilution Factor: 10				
Cadmium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE4AX105
		Dilution Factor: 10				
Calcium	**582000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AX106**
		Dilution Factor: 10				
Chromium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AX107
		Dilution Factor: 10				
Cobalt	**2330**	**500**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AX108**
		Dilution Factor: 10				
Copper	**911**	**250**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE4AX109**
		Dilution Factor: 10				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5690F

DISSOLVED Metals

Lot-Sample #...: H7K190171-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1360	1000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10A
		Dilution Factor: 10				
Magnesium	184000	50000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10C
		Dilution Factor: 10				
Manganese	17000	150	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10D
		Dilution Factor: 10				
Nickel	1710	400	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10E
		Dilution Factor: 10				
Potassium	ND	50000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10F
		Dilution Factor: 10				
Silver	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10G
		Dilution Factor: 10				
Sodium	3850000	50000	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10H
		Dilution Factor: 10				
Vanadium	ND	500	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10J
		Dilution Factor: 10				
Zinc	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE4AX10K
		Dilution Factor: 10				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

TOTAL Metals

Lot-Sample #...: H7K200177-001 Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE55P10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	3170	200	ug/L	SW846 6010A	12/16-12/18/97	CE55P104
		Dilution Factor: 1				
Arsenic	10.5	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10P
		Dilution Factor: 1				
Lead	10.4	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55P106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P108
		Dilution Factor: 1				
Calcium	180000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55P109
		Dilution Factor: 1				
Chromium	15.6	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

TOTAL Metals

Lot-Sample #...: H7K200177-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13300	100	ug/L	SW846 6010A	12/16-12/18/97	CE55P10E
		Dilution Factor: 1				
Magnesium	63000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55P10F
		Dilution Factor: 1				
Manganese	1030	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10H
		Dilution Factor: 1				
Potassium	17400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55P10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10K
		Dilution Factor: 1				
Sodium	91400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55P10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10M
		Dilution Factor: 1				
Zinc	47.1	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55P10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620F

DISSOLVED Metals

Lot-Sample #...: H7K200177-013 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE59C10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59C101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59C103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C105
		Dilution Factor: 1				
Calcium	**167000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5620F

DISSOLVED Metals

Lot-Sample #...: H7K200177-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE59C10A
		Dilution Factor: 1				
Magnesium	**62900**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C10C**
		Dilution Factor: 1				
Manganese	**865**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10E
		Dilution Factor: 1				
Potassium	**17800**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10G
		Dilution Factor: 1				
Sodium	**96500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59C10J
		Dilution Factor: 1				
Zinc	**45.4**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59C10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

TOTAL Metals

Lot-Sample #...: H7K200177-002 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE55Q10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**374**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55Q104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55Q106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q108
		Dilution Factor: 1				
Calcium	**152000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55Q109**
		Dilution Factor: 1				
Chromium	**10.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55Q10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

TOTAL Metals

Lot-Sample #...: H7K200177-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	923	100	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10E
		Dilution Factor: 1				
Magnesium	70700	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10F
		Dilution Factor: 1				
Manganese	54.0	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10G
		Dilution Factor: 1				
Nickel	42.3	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10H
		Dilution Factor: 1				
Potassium	44700	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10K
		Dilution Factor: 1				
Sodium	311000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10M
		Dilution Factor: 1				
Zinc	39.8	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55Q10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900F

DISSOLVED Metals

Lot-Sample #...: H7K200177-014 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE59F10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59F101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59F103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F105
		Dilution Factor: 1				
Calcium	**120000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5900F

DISSOLVED Metals

Lot-Sample #...: H7K200177-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE59F10A
		Dilution Factor: 1				
Magnesium	**82500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10C**
		Dilution Factor: 1				
Manganese	**29.1**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10D**
		Dilution Factor: 1				
Nickel	**40.7**	**40.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10E**
		Dilution Factor: 1				
Potassium	**40500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10G
		Dilution Factor: 1				
Sodium	**360000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59F10J
		Dilution Factor: 1				
Zinc	**32.4**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59F10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

TOTAL Metals

Lot-Sample #...: H7K200177-003 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE55R10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**825**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55R104**
		Dilution Factor: 1				
Arsenic	**12.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55R10P**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R105
		Dilution Factor: 1				
Barium	**350**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55R106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R108
		Dilution Factor: 1				
Calcium	**182000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55R109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5611

TOTAL Metals

Lot-Sample #...: H7K200177-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14800	100	ug/L	SW846 6010A	12/16-12/18/97	CE55R10E
		Dilution Factor: 1				
Magnesium	50900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55R10F
		Dilution Factor: 1				
Manganese	1420	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55R10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10K
		Dilution Factor: 1				
Sodium	37900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55R10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10M
		Dilution Factor: 1				
Zinc	25.4	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55R10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5611F

DISSOLVED Metals

Lot-Sample #...: H7K200177-015 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE59H10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59H101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H102
		Dilution Factor: 1				
Barium	**392**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H105
		Dilution Factor: 1				
Calcium	**211000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5611F

DISSOLVED Metals

Lot-Sample #...: H7K200177-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**8050**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H10A**
		Dilution Factor: 1				
Magnesium	**59300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H10C**
		Dilution Factor: 1				
Manganese	**1620**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10E
		Dilution Factor: 1				
Potassium	**5420**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10G
		Dilution Factor: 1				
Sodium	**44700**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59H10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE59H10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

TOTAL Metals

Lot-Sample #...: H7K200177-004 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE55T10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**877**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55T104**
		Dilution Factor: 1				
Arsenic	**12.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55T10P**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T105
		Dilution Factor: 1				
Barium	**373**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55T106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T108
		Dilution Factor: 1				
Calcium	**186000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55T109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

TOTAL Metals

Lot-Sample #...: H7K200177-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18200	100	ug/L	SW846 6010A	12/16-12/18/97	CE55T10E
		Dilution Factor: 1				
Magnesium	52900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55T10F
		Dilution Factor: 1				
Manganese	1530	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55T10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10K
		Dilution Factor: 1				
Sodium	39300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55T10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10M
		Dilution Factor: 1				
Zinc	27.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55T10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610F

DISSOLVED Metals

Lot-Sample #...: H7K200177-016 **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE59P10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59P101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P102
		Dilution Factor: 1				
Barium	**338**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59P103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P105
		Dilution Factor: 1				
Calcium	**191000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59P106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5610F

DISSOLVED Metals

Lot-Sample #...: H7K200177-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	7610	100	ug/L	SW846 6010A	12/16-12/18/97	CE59P10A
		Dilution Factor: 1				
Magnesium	54800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59P10C
		Dilution Factor: 1				
Manganese	1440	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59P10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10G
		Dilution Factor: 1				
Sodium	41000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59P10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10J
		Dilution Factor: 1				
Zinc	25.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE59P10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

TOTAL Metals

Lot-Sample #...: H7K200177-005 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**0.24**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE55V10U**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55V104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55V106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V108
		Dilution Factor: 1				
Calcium	**342000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55V109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

TOTAL Metals

Lot-Sample #...: H7K200177-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	498	100	ug/L	SW846 6010A	12/16-12/18/97	CE55V10E
		Dilution Factor: 1				
Magnesium	136000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55V10F
		Dilution Factor: 1				
Manganese	361	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10H
		Dilution Factor: 1				
Potassium	14900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55V10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10K
		Dilution Factor: 1				
Sodium	18900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55V10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10M
		Dilution Factor: 1				
Zinc	23.4	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55V10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580F

DISSOLVED Metals

Lot-Sample #...: H7K200177-017 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE59V10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59V101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE59V103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V105
		Dilution Factor: 1				
Calcium	**345000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE59V106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5580F

DISSOLVED Metals

Lot-Sample #...: H7K200177-017 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	443	100	ug/L	SW846 6010A	12/16-12/18/97	CE59V10A
		Dilution Factor: 1				
Magnesium	139000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59V10C
		Dilution Factor: 1				
Manganese	328	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10E
		Dilution Factor: 1				
Potassium	15300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59V10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10G
		Dilution Factor: 1				
Sodium	19500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE59V10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10J
		Dilution Factor: 1				
Zinc	33.1	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE59V10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

TOTAL Metals

Lot-Sample #...: H7K200177-006 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**0.30**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE55W10U**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55W104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55W106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W108
		Dilution Factor: 1				
Calcium	**142000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55W109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10D
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

TOTAL Metals

Lot-Sample #...: H7K200177-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1620	100	ug/L	SW846 6010A	12/16-12/18/97	CE55W10E
		Dilution Factor: 1				
Magnesium	23500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55W10F
		Dilution Factor: 1				
Manganese	340	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55W10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55W10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10M
		Dilution Factor: 1				
Zinc	47.4	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55W10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560F

DISSOLVED Metals

Lot-Sample #...: H7K200177-018 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5A010Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A0101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A010L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A010M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A0103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A010N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A010P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0105
		Dilution Factor: 1				
Calcium	**128000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A0106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A0109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5560F

DISSOLVED Metals

Lot-Sample #...: H7K200177-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE5A010A
		Dilution Factor: 1				
Magnesium	**21400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A010C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A010D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A010E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE5A010F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A010G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE5A010H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A010J
		Dilution Factor: 1				
Zinc	**27.6**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A010K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

TOTAL Metals

Lot-Sample #...: H7K200177-007 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**0.68**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE55X10U**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55X104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE55X106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X108
		Dilution Factor: 1				
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE55X109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5561

TOTAL Metals

Lot-Sample #...: H7K200177-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1660	100	ug/L	SW846 6010A	12/16-12/18/97	CE55X10E
		Dilution Factor: 1				
Magnesium	19700	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55X10F
		Dilution Factor: 1				
Manganese	95.8	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55X10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE55X10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10M
		Dilution Factor: 1				
Zinc	24.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE55X10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5561F

DISSOLVED Metals

Lot-Sample #...: H7K200177-019 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5A310Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A3101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A310L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A310M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A3103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A310N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A310P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3105
		Dilution Factor: 1				
Calcium	**123000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A3106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A3109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5561F

DISSOLVED Metals

Lot-Sample #...: H7K200177-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE5A310A
		Dilution Factor: 1				
Magnesium	**20500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A310C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A310D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A310E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE5A310F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A310G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE5A310H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A310J
		Dilution Factor: 1				
Zinc	**20.0**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A310K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

TOTAL Metals

Lot-Sample #...: H7K200177-008 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**0.30**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE56012H**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**3970**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56010A**
		Dilution Factor: 1				
Arsenic	**11.5**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE560124**
		Dilution Factor: 1				
Lead	**6.6**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE560127**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE56010E
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE56010H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE56012A
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE56010L
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56012E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE56010P
		Dilution Factor: 1				
Calcium	**116000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56010T**
		Dilution Factor: 1				
Chromium	**10.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56010W**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE560111
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE560114
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

TOTAL Metals

Lot-Sample #...: H7K200177-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**14700**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE560117**
		Dilution Factor: 1				
Magnesium	**38400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56011A**
		Dilution Factor: 1				
Manganese	**302**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56011E**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE56011H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE56011L
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56011P
		Dilution Factor: 1				
Sodium	**18100**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56011T**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56011W
		Dilution Factor: 1				
Zinc	**47.6**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE560121**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REGF

DISSOLVED Metals

Lot-Sample #...: H7K200177-020 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5A7127
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A7101
		Dilution Factor: 1				
Arsenic	**12.5**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE5A711T**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A711W
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A7104
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5A7107
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A7121
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A710A
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5A7124
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A710E
		Dilution Factor: 1				
Calcium	**99500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A710H**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A710L
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A710P
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A710T
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REGF

DISSOLVED Metals

Lot-Sample #...: H7K200177-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**3050**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A710W**
		Dilution Factor: 1				
Magnesium	**36500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A7111**
		Dilution Factor: 1				
Manganese	**114**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A7114**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A7117
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE5A711A
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A711E
		Dilution Factor: 1				
Sodium	**19100**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5A711H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A711L
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE5A711P
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

TOTAL Metals

Lot-Sample #...: H7K200177-009 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**0.45**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE56110U**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE561104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE561105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE561106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE561107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE561108
		Dilution Factor: 1				
Calcium	**46400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE561109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

TOTAL Metals

Lot-Sample #...: H7K200177-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1320**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110E**
		Dilution Factor: 1				
Magnesium	**17500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110F**
		Dilution Factor: 1				
Manganese	**323**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110H
		Dilution Factor: 1				
Potassium	**6160**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110K
		Dilution Factor: 1				
Sodium	**22800**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56110M
		Dilution Factor: 1				
Zinc	**51.6**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56110N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530F

DISSOLVED Metals

Lot-Sample #...: H7K200177-021 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5AG10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5AG101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AG10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AG10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5AG103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AG10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AG10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG105
		Dilution Factor: 1				
Calcium	**44900**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5530F

DISSOLVED Metals

Lot-Sample #...: H7K200177-021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1090**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10A**
		Dilution Factor: 1				
Magnesium	**17000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10C**
		Dilution Factor: 1				
Manganese	**331**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG10E
		Dilution Factor: 1				
Potassium	**6180**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG10G
		Dilution Factor: 1				
Sodium	**22200**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AG10J
		Dilution Factor: 1				
Zinc	**46.9**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AG10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

TOTAL Metals

Lot-Sample #...: H7K200177-010 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	**1.0**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE56210U**
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**283**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE562104**
		Dilution Factor: 1				
Arsenic	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE56210P
		Dilution Factor: 20				
Lead	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210Q
		Dilution Factor: 20				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE562105
		Dilution Factor: 1				
Barium	**893**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE562106**
		Dilution Factor: 1				
Selenium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE56210R
		Dilution Factor: 20				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE562107
		Dilution Factor: 1				
Thallium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE56210T
		Dilution Factor: 20				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE562108
		Dilution Factor: 1				
Calcium	**809000**	**200000**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE562109**
		Dilution Factor: 40				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

TOTAL Metals

Lot-Sample #...: H7K200177-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**476**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56210E**
		Dilution Factor: 1				
Magnesium	**384000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56210F**
		Dilution Factor: 1				
Manganese	**36.8**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56210G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210H
		Dilution Factor: 1				
Potassium	**148000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56210J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210K
		Dilution Factor: 1				
Sodium	**2190000**	**200000**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE56210L**
		Dilution Factor: 40				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56210M
		Dilution Factor: 1				
Zinc	**31.0**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE56210N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940F

DISSOLVED Metals

Lot-Sample #...: H7K200177-022 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5AL10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5AL101
		Dilution Factor: 1				
Arsenic	ND	200	ug/L	SW846 6010A	12/16-12/19/97	CE5AL10L
		Dilution Factor: 20				
Lead	ND	60.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AL10M
		Dilution Factor: 20				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL102
		Dilution Factor: 1				
Barium	**1010**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL103**
		Dilution Factor: 1				
Selenium	ND	100	ug/L	SW846 6010A	12/16-12/19/97	CE5AL10N
		Dilution Factor: 20				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL104
		Dilution Factor: 1				
Thallium	ND	200	ug/L	SW846 6010A	12/16-12/19/97	CE5AL10P
		Dilution Factor: 20				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL105
		Dilution Factor: 1				
Calcium	**1010000**	**100000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL106**
		Dilution Factor: 20				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5940F

DISSOLVED Metals

Lot-Sample #...: H7K200177-022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE5AL10A
		Dilution Factor: 1				
Magnesium	**572000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL10C**
		Dilution Factor: 1				
Manganese	**35.9**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL10E
		Dilution Factor: 1				
Potassium	**172000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL10G
		Dilution Factor: 1				
Sodium	**3010000**	**100000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AL10H**
		Dilution Factor: 20				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AL10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

TOTAL Metals

Lot-Sample #...: H7K200177-011 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE56310U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE563104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE563105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE563106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE563107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE563108
		Dilution Factor: 1				
Calcium	**189000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE563109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

TOTAL Metals

Lot-Sample #...: H7K200177-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	168	100	ug/L	SW846 6010A	12/16-12/18/97	CE56310E
		Dilution Factor: 1				
Magnesium	108000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE56310F
		Dilution Factor: 1				
Manganese	74.6	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310H
		Dilution Factor: 1				
Potassium	49600	5000	ug/L	SW846 6010A	12/16-12/18/97	CE56310J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310K
		Dilution Factor: 1				
Sodium	368000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE56310L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310M
		Dilution Factor: 1				
Zinc	29.2	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE56310N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470F

DISSOLVED Metals

Lot-Sample #...: H7K200177-023 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE5AM10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5AM101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AM10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AM10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE5AM103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AM10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE5AM10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM105
		Dilution Factor: 1				
Calcium	**160000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5470F

DISSOLVED Metals

Lot-Sample #...: H7K200177-023 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE5AM10A
		Dilution Factor: 1				
Magnesium	**96300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM10C**
		Dilution Factor: 1				
Manganese	**57.6**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM10E
		Dilution Factor: 1				
Potassium	**44700**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM10G
		Dilution Factor: 1				
Sodium	**331000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE5AM10J
		Dilution Factor: 1				
Zinc	**23.0**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE5AM10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

TOTAL Metals

Lot-Sample #...: H7K210208-001 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HJ10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**496**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ108
		Dilution Factor: 1				
Calcium	**223000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

TOTAL Metals

Lot-Sample #...: H7K210208-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**2460**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ10E**
		Dilution Factor: 1				
Magnesium	**15600**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ10F**
		Dilution Factor: 1				
Manganese	**3700**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10H
		Dilution Factor: 1				
Potassium	**12200**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ10J**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10K
		Dilution Factor: 1				
Sodium	**17600**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HJ10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HJ10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660F

DISSOLVED Metals

Lot-Sample #...: H7K210208-007 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HQ10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HQ10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HQ10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HQ10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HQ10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ105
		Dilution Factor: 1				
Calcium	**243000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5660F

DISSOLVED Metals

Lot-Sample #...: H7K210208-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1570**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ10A**
		Dilution Factor: 1				
Magnesium	**17500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ10C**
		Dilution Factor: 1				
Manganese	**4020**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ10E
		Dilution Factor: 1				
Potassium	**14300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ10G
		Dilution Factor: 1				
Sodium	**21300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HQ10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HQ10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

TOTAL Metals

Lot-Sample #...: H7K210208-002 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HK10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**878**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HK106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK108
		Dilution Factor: 1				
Calcium	**95200**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK109**
		Dilution Factor: 1				
Chromium	**22.7**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

TOTAL Metals

Lot-Sample #...: H7K210208-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**3130**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK10E**
		Dilution Factor: 1				
Magnesium	**19300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK10F**
		Dilution Factor: 1				
Manganese	**434**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10K
		Dilution Factor: 1				
Sodium	**16200**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HK10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HK10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860F

DISSOLVED Metals

Lot-Sample #...: H7K210208-008 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HR10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HR101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HR10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HR10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HR103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HR10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HR10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR105
		Dilution Factor: 1				
Calcium	**94400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HR106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5860F

DISSOLVED Metals

Lot-Sample #...: H7K210208-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	806	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10A
		Dilution Factor: 1				
Magnesium	19200	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10C
		Dilution Factor: 1				
Manganese	421	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10G
		Dilution Factor: 1				
Sodium	16400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10J
		Dilution Factor: 1				
Zinc	30.6	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HR10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

TOTAL Metals

Lot-Sample #...: H7K210208-003 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HL10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**34500**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL104**
		Dilution Factor: 1				
Arsenic	**66.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10P**
		Dilution Factor: 1				
Lead	**100**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL105
		Dilution Factor: 1				
Barium	**314**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL106**
		Dilution Factor: 1				
Selenium	**8.2**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10R**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL108
		Dilution Factor: 1				
Calcium	**491000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL109**
		Dilution Factor: 1				
Chromium	**69.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10A**
		Dilution Factor: 1				
Cobalt	**72.3**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10C**
		Dilution Factor: 1				
Copper	**243**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HL10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

TOTAL Metals

Lot-Sample #...: H7K210208-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	103000	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10E
		Dilution Factor: 1				
Magnesium	113000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10F
		Dilution Factor: 1				
Manganese	3010	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10G
		Dilution Factor: 1				
Nickel	212	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10H
		Dilution Factor: 1				
Potassium	11800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10K
		Dilution Factor: 1				
Sodium	18300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10L
		Dilution Factor: 1				
Vanadium	158	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10M
		Dilution Factor: 1				
Zinc	836	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HL10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520F

DISSOLVED Metals

Lot-Sample #...: H7K210208-009 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HT10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HT101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HT10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HT10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HT103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HT10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HT10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT105
		Dilution Factor: 1				
Calcium	**393000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5520F

DISSOLVED Metals

Lot-Sample #...: H7K210208-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**4890**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT10A**
		Dilution Factor: 1				
Magnesium	**85300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT10C**
		Dilution Factor: 1				
Manganese	**2500**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT10E
		Dilution Factor: 1				
Potassium	**5220**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT10G
		Dilution Factor: 1				
Sodium	**20400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HT10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HT10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

TOTAL Metals

Lot-Sample #...: H7K210208-004 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HM10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**11600**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM104**
		Dilution Factor: 1				
Arsenic	**10.3**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10P**
		Dilution Factor: 1				
Lead	**16.6**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HM106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM108
		Dilution Factor: 1				
Calcium	**205000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM109**
		Dilution Factor: 1				
Chromium	**22.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10C
		Dilution Factor: 1				
Copper	**33.6**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

TOTAL Metals

Lot-Sample #...: H7K210208-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**27300**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10E**
		Dilution Factor: 1				
Magnesium	**52100**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10F**
		Dilution Factor: 1				
Manganese	**816**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10K
		Dilution Factor: 1				
Sodium	**7800**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HM10M
		Dilution Factor: 1				
Zinc	**99.9**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HM10N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510F

DISSOLVED Metals

Lot-Sample #...: H7K210208-010 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HV10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HV101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HV10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HV10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HV103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HV10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HV10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV105
		Dilution Factor: 1				
Calcium	**131000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HV106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5510F

DISSOLVED Metals

Lot-Sample #...: H7K210208-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HV10A
		Dilution Factor: 1				
Magnesium	**29300**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HV10C**
		Dilution Factor: 1				
Manganese	**78.8**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HV10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HV10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV10G
		Dilution Factor: 1				
Sodium	**7180**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HV10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HV10J
		Dilution Factor: 1				
Zinc	**49.9**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HV10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

TOTAL Metals

Lot-Sample #...: H7K210208-005 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HN10U
		Dilution Factor: 1				
Prep Batch #...: 7350103						
Aluminum	**2020**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HN104**
		Dilution Factor: 1				
Arsenic	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10P
		Dilution Factor: 2				
Lead	ND	6.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10Q
		Dilution Factor: 2				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HN106
		Dilution Factor: 1				
Selenium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10R
		Dilution Factor: 2				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN107
		Dilution Factor: 1				
Thallium	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10T
		Dilution Factor: 2				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN108
		Dilution Factor: 1				
Calcium	**601000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HN109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

TOTAL Metals

Lot-Sample #...: H7K210208-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	32900	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10E
		Dilution Factor: 1				
Magnesium	199000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10F
		Dilution Factor: 1				
Manganese	5410	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10K
		Dilution Factor: 1				
Sodium	21400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10M
		Dilution Factor: 1				
Zinc	67.4	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HN10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490F

DISSOLVED Metals

Lot-Sample #...: H7K210208-011 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HW10Q
		Dilution Factor: 1				
Prep Batch #...: 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HW101
		Dilution Factor: 1				
Arsenic	ND	20.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HW10L
		Dilution Factor: 2				
Lead	ND	6.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HW10M
		Dilution Factor: 2				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6HW103
		Dilution Factor: 1				
Selenium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HW10N
		Dilution Factor: 2				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW104
		Dilution Factor: 1				
Thallium	ND	20.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HW10P
		Dilution Factor: 2				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW105
		Dilution Factor: 1				
Calcium	**549000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HW106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5490F

DISSOLVED Metals

Lot-Sample #...: H7K210208-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14400	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10A
		Dilution Factor: 1				
Magnesium	305000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10C
		Dilution Factor: 1				
Manganese	4740	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10E
		Dilution Factor: 1				
Potassium	6710	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10G
		Dilution Factor: 1				
Sodium	39600	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10J
		Dilution Factor: 1				
Zinc	33.5	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HW10K
		Dilution Factor: 1				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L090000-168 **Prep Batch #...:** 7343168						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CEF2D101
		Dilution Factor: 1				
MB Lot-Sample #: H7L160000-103 **Prep Batch #...:** 7350103						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL210J
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210E
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210K
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210F
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL210L
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210G
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210M
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210H
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210N
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL210P
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2101
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2102
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2103
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CEJL2104
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL2105
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2106
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2107
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL2108
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL2109
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL210A
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210C
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL210D
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L090000-174 **Prep Batch #...:** 7343174						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CEF2Q101
		Dilution Factor: 1				
MB Lot-Sample #: H7L160000-105 **Prep Batch #...:** 7350105						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL610F
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610A
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610G
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610C
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL610H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610D
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610J
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610K
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL610L
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610M
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610N
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL610P
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CEJL6101
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL6102
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL6103
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL6104
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL6105
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL6106
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL6107
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL6108
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL6109
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K200177-008 **Prep Batch #...:** 7343168							
Mercury	100	(75 - 125)			SW846 7470A	12/10-12/11/97	CE56012J
	102	(75 - 125)	0.76	(0-20)	SW846 7470A	12/10-12/11/97	CE56012K
		Dilution Factor: 1					
MS Lot-Sample #: H7K200177-008 **Prep Batch #...:** 7350103							
Aluminum	316 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010C
	349 N	(80 - 120)	6.3	(0-20)	SW846 6010A	12/16-12/18/97	CE56010D
		Dilution Factor: 1					
Arsenic	94	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560125
	90	(80 - 120)	3.8	(0-20)	SW846 6010A	12/16-12/18/97	CE560126
		Dilution Factor: 1					
Antimony	102	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010F
	100	(80 - 120)	1.3	(0-20)	SW846 6010A	12/16-12/18/97	CE56010G
		Dilution Factor: 1					
Lead	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560128
	91	(80 - 120)	5.0	(0-20)	SW846 6010A	12/16-12/18/97	CE560129
		Dilution Factor: 1					
Barium	92	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010J
	89	(80 - 120)	3.5	(0-20)	SW846 6010A	12/16-12/18/97	CE56010K
		Dilution Factor: 1					
Selenium	94	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56012C
	90	(80 - 120)	5.0	(0-20)	SW846 6010A	12/16-12/18/97	CE56012D
		Dilution Factor: 1					
Beryllium	102	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010M
	97	(80 - 120)	5.1	(0-20)	SW846 6010A	12/16-12/18/97	CE56010N
		Dilution Factor: 1					
Thallium	90	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56012F
	87	(80 - 120)	4.0	(0-20)	SW846 6010A	12/16-12/18/97	CE56012G
		Dilution Factor: 1					
Cadmium	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010Q
	92	(80 - 120)	4.5	(0-20)	SW846 6010A	12/16-12/18/97	CE56010R
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	114	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010U
	99	(80 - 120)	4.4	(0-20)	SW846 6010A	12/16-12/18/97	CE56010V
		Dilution Factor: 1					
Chromium	102	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56010X
	98	(80 - 120)	4.6	(0-20)	SW846 6010A	12/16-12/18/97	CE560110
		Dilution Factor: 1					
Cobalt	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560112
	93	(80 - 120)	5.0	(0-20)	SW846 6010A	12/16-12/18/97	CE560113
		Dilution Factor: 1					
Copper	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560115
	92	(80 - 120)	4.4	(0-20)	SW846 6010A	12/16-12/18/97	CE560116
		Dilution Factor: 1					
Iron	278 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560118
	231 N	(80 - 120)	2.7	(0-20)	SW846 6010A	12/16-12/18/97	CE560119
		Dilution Factor: 1					
Magnesium	108	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011C
	101	(80 - 120)	3.9	(0-20)	SW846 6010A	12/16-12/18/97	CE56011D
		Dilution Factor: 1					
Manganese	99	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011F
	92	(80 - 120)	4.4	(0-20)	SW846 6010A	12/16-12/18/97	CE56011G
		Dilution Factor: 1					
Nickel	99	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011J
	96	(80 - 120)	3.4	(0-20)	SW846 6010A	12/16-12/18/97	CE56011K
		Dilution Factor: 1					
Potassium	104	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011M
	100	(80 - 120)	3.5	(0-20)	SW846 6010A	12/16-12/18/97	CE56011N
		Dilution Factor: 1					
Silver	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011Q
	86	(80 - 120)	11	(0-20)	SW846 6010A	12/16-12/18/97	CE56011R
		Dilution Factor: 1					
Sodium	99	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011U
	94	(80 - 120)	3.5	(0-20)	SW846 6010A	12/16-12/18/97	CE56011V
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE56011X
	93	(80 - 120)	4.3	(0-20)	SW846 6010A	12/16-12/18/97	CE560120
		Dilution Factor: 1					
Zinc	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE560122
	96	(80 - 120)	6.0	(0-20)	SW846 6010A	12/16-12/18/97	CE560123
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K200177-020 **Prep Batch #...:** 7343174							
Mercury	102	(75 - 125)			SW846 7470A	12/10-12/11/97	CE5A7128
	101	(75 - 125)	0.98	(0-20)	SW846 7470A	12/10-12/11/97	CE5A7129
		Dilution Factor: 1					
MS Lot-Sample #: H7K200177-020 **Prep Batch #...:** 7350105							
Aluminum	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7102
	98	(80 - 120)	4.7	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7103
		Dilution Factor: 1					
Arsenic	97	(80 - 120)			SW846 6010A	12/16-12/19/97	CE5A711U
	94	(80 - 120)	3.2	(0-20)	SW846 6010A	12/16-12/19/97	CE5A711V
		Dilution Factor: 1					
Antimony	108	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7105
	106	(80 - 120)	1.9	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7106
		Dilution Factor: 1					
Lead	99	(80 - 120)			SW846 6010A	12/16-12/19/97	CE5A711X
	96	(80 - 120)	2.9	(0-20)	SW846 6010A	12/16-12/19/97	CE5A7120
		Dilution Factor: 1					
Barium	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7108
	94	(80 - 120)	3.3	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7109
		Dilution Factor: 1					
Selenium	97	(80 - 120)			SW846 6010A	12/16-12/19/97	CE5A7122
	94	(80 - 120)	3.3	(0-20)	SW846 6010A	12/16-12/19/97	CE5A7123
		Dilution Factor: 1					
Beryllium	107	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710C
	103	(80 - 120)	3.6	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710D
		Dilution Factor: 1					
Thallium	94	(80 - 120)			SW846 6010A	12/16-12/19/97	CE5A7125
	90	(80 - 120)	3.5	(0-20)	SW846 6010A	12/16-12/19/97	CE5A7126
		Dilution Factor: 1					
Cadmium	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710F
	97	(80 - 120)	5.4	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710G
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	95	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710J
	93	(80 - 120)	0.57	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710K
		Dilution Factor: 1					
Chromium	106	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710M
	102	(80 - 120)	4.1	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710N
		Dilution Factor: 1					
Cobalt	101	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710Q
	97	(80 - 120)	4.0	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710R
		Dilution Factor: 1					
Copper	101	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710U
	98	(80 - 120)	3.1	(0-20)	SW846 6010A	12/16-12/18/97	CE5A710V
		Dilution Factor: 1					
Iron	79 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A710X
	79 N	(80 - 120)	0.06	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7110
		Dilution Factor: 1					
Magnesium	105	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7112
	102	(80 - 120)	1.8	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7113
		Dilution Factor: 1					
Manganese	97	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7115
	94	(80 - 120)	2.6	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7116
		Dilution Factor: 1					
Nickel	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A7118
	98	(80 - 120)	5.4	(0-20)	SW846 6010A	12/16-12/18/97	CE5A7119
		Dilution Factor: 1					
Potassium	108	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A711C
	104	(80 - 120)	3.9	(0-20)	SW846 6010A	12/16-12/18/97	CE5A711D
		Dilution Factor: 1					
Silver	97	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A711F
	95	(80 - 120)	1.8	(0-20)	SW846 6010A	12/16-12/18/97	CE5A711G
		Dilution Factor: 1					
Sodium	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A711J
	100	(80 - 120)	2.6	(0-20)	SW846 6010A	12/16-12/18/97	CE5A711K
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER
Date Sampled...: 11/16/97 **Date Received..:** 11/18/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	101	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A711M
	97	(80 - 120)	3.4	(0-20)	SW846 6010A	12/16-12/18/97	CE5A711N
		Dilution Factor: 1					
Zinc	103	(80 - 120)			SW846 6010A	12/16-12/18/97	CE5A711Q
	101	(80 - 120)	1.6	(0-20)	SW846 6010A	12/16-12/18/97	CE5A711R
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L090000-168 **Prep Batch #...:** 7343168					
Mercury	101	(80 - 120)	SW846 7470A	12/10-12/11/97	CEF2D102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L160000-103 **Prep Batch #...:** 7350103					
Chromium	109	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210Q
		Dilution Factor: 1			
Cobalt	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210R
		Dilution Factor: 1			
Copper	101	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210T
		Dilution Factor: 1			
Iron	108	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210U
		Dilution Factor: 1			
Magnesium	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210V
		Dilution Factor: 1			
Manganese	104	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210W
		Dilution Factor: 1			
Nickel	108	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL210X
		Dilution Factor: 1			
Antimony	111	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL211A
		Dilution Factor: 1			
Barium	99	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL211C
		Dilution Factor: 1			
Beryllium	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL211D
		Dilution Factor: 1			
Cadmium	101	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL211E
		Dilution Factor: 1			
Calcium	113	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL211F
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	104	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2110
		Dilution Factor: 1			
Silver	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2111
		Dilution Factor: 1			
Sodium	104	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2112
		Dilution Factor: 1			
Vanadium	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2113
		Dilution Factor: 1			
Zinc	109	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2114
		Dilution Factor: 1			
Arsenic	97	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2115
		Dilution Factor: 1			
Lead	97	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2116
		Dilution Factor: 1			
Selenium	97	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2117
		Dilution Factor: 1			
Thallium	96	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2118
		Dilution Factor: 1			
Aluminum	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL2119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L090000-174 **Prep Batch #...:** 7343174					
Mercury	102	(80 - 120)	SW846 7470A	12/10-12/11/97	CEF2Q102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L160000-105 **Prep Batch #...:** 7350105					
Iron	109	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610Q
		Dilution Factor: 1			
Magnesium	112	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610R
		Dilution Factor: 1			
Manganese	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610T
		Dilution Factor: 1			
Nickel	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610U
		Dilution Factor: 1			
Potassium	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610V
		Dilution Factor: 1			
Silver	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610W
		Dilution Factor: 1			
Sodium	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL610X
		Dilution Factor: 1			
Cadmium	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL611A
		Dilution Factor: 1			
Calcium	115	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL611C
		Dilution Factor: 1			
Chromium	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL611D
		Dilution Factor: 1			
Cobalt	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL611E
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL611F
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB012 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6110
		Dilution Factor: 1			
Zinc	112	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6111
		Dilution Factor: 1			
Arsenic	99	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6112
		Dilution Factor: 1			
Lead	98	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6113
		Dilution Factor: 1			
Selenium	99	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6114
		Dilution Factor: 1			
Thallium	97	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6115
		Dilution Factor: 1			
Aluminum	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6116
		Dilution Factor: 1			
Antimony	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6117
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6118
		Dilution Factor: 1			
Beryllium	109	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL6119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

General Chemistry

Lot-Sample #...: H7K190171-002 Work Order #...: CE4AV Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	0.12	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

General Chemistry

Lot-Sample #...: H7K200177-001 Work Order #...: CE55P Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

General Chemistry

Lot-Sample #...: H7K200177-002 Work Order #...: CE55Q Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	0.016	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

General Chemistry

Lot-Sample #...: H7K200177-004 **Work Order #...:** CE55T **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

General Chemistry

Lot-Sample #...: H7K200177-005 **Work Order #...:** CE55V **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

General Chemistry

Lot-Sample #...: H7K200177-006 **Work Order #...:** CE55W **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

General Chemistry

Lot-Sample #...: H7K200177-008 **Work Order #...:** CE560 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

General Chemistry

Lot-Sample #...: H7K200177-009 Work Order #...: CE561 Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

General Chemistry

Lot-Sample #...: H7K200177-010 **Work Order #...:** CE562 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

General Chemistry

Lot-Sample #...: H7K200177-011 **Work Order #...:** CE563 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

General Chemistry

Lot-Sample #...: H7K210208-001 **Work Order #...:** CE6HJ **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

General Chemistry

Lot-Sample #...: H7K210208-002 **Work Order #...:** CE6HK **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

General Chemistry

Lot-Sample #...: H7K210208-003 **Work Order #...:** CE6HL **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

General Chemistry

Lot-Sample #...: H7K210208-004 Work Order #...: CE6HM Matrix.....: WATER
Date Sampled...: 11/19/97 Date Received..: 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

General Chemistry

Lot-Sample #...: H7K210208-005 **Work Order #...:** CE6HN **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: CE9WF101		MB Lot-Sample #:	H7K280000-127	
	ND	0.010	mg/L	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1				
Total Cyanide		Work Order #: CE9WK101		MB Lot-Sample #:	H7K280000-128	
	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB012 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:CE9WF102-LCS/CE9WF103-LCSD				LCS Lot-Sample#: H7K280000-127	
	96	(81 - 110)			SW846 9010A	11/24-11/25/97	7332127
	96	(81 - 110)	0.0	(0-20)	SW846 9010A	11/24-11/25/97	7332127
		Dilution Factor: 1					
Total Cyanide		WO#:CE9WK102-LCS/CE9WK103-LCSD				LCS Lot-Sample#: H7K280000-128	
	104	(81 - 110)			SW846 9010A	11/25/97	7332128
	107	(81 - 110)	2.4	(0-20)	SW846 9010A	11/25/97	7332128
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

QUANTERRA
Environmental Services

Sample Delivery Group Assignment Form

IT CORPORATION
PLUMBROOK ORDNANCE WORKS
SDG# PB012

*	DATE REC'D	LOT#	CLIENT ID	VOA 8260A	BNA 8270A	PEST/PCB 8081	TOTAL 8330	TOTAL METALS	DISS. METALS	CN. 9010A	DISS 8330
1	11/19/97	H7K190171	5751	X							
2			5690	X	X	X	X	X	X	X	
3	11/20/97	H7K200177	5620	X	X	X	X	X	X	X	
4			5900	X	X	X	X	X	X	X	
5			5611	X	X	X	X	X	X		
6			5610	X	X	X	X	X	X	X	
7			5580	X	X	X	X	X	X	X	
8			5560	X	X	X	X	X	X	X	
9			5561	X	X	X	X	X	X		
10			5550-REG	QC	QC	QC	QC	QC	QC	X	
11			5530	X	X	X	X	X	X	X	
12			5901	X							
13			5940	X	X	X	X	X	X	X	
14			5470	X	X	X	X	X	X	X	
15	11/21/97	H7K210208	5660	X	X	X	X	X	X	X	
16			5860	X	X	X	X	X	X	X	
17			5520	X	X	X	X	X	X	X	
18			5510	X	X	X	X	X	X	X	
19			5490	X	X	X	X	X	X	X	
20			5511	X							

MATRIX: WATER
ANALYTICAL DUE: 12/19/97
REPORT DUE: 12/23/97
CLOSED?__YES__

1/7/9810:35 AM
QC = MS/MSD
*A = ARCHIVED

INTERNATIONAL TECHNOLOGY CORPORATION

Quote# 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

IFK190171

Reference Document No: 10022

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Bruce Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624849851

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions: *Alkalinity, TDS & TSS=1 L HDPE; Metals=Filt. and Unfilt.

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [✓]

Sample Disposal:

Return to Client [ ] Disposal by Lab [✓] Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-18-97 Time: 1630
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Diane Yfange — Date: 11/19/97 Time: 10:25
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments: custody seals intact received at 2°C DY 11/19/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>10
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5751	PBOW97-MK-MW12-BW-5751-TB	17-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

HPA110111

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH=10
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2

H7K190171

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K19C171

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K200177

Reference Document No: 10025

Project Number: 771481

Samples Shipment Date: 19-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Bree Bunell

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant/Kim NAPIER

Carrier/Waybill No.: Fed Ex/801624849862

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant/Kim NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: ALKALINITY, TDS, AND TSS COMBINED IN 1 L HDPE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-19-97 Time: 1630	1. Received By (Signature/Affiliation)	Date: 11/20/97 Time: 0850
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: TAL METALS=1 FILTERED AND 1 UNFILTERED.

Rec'd @ 2°C w/custody seals intact BPB 11/20/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K200144

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K200177

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5901	PBOW97-PB-BED-MW14-BW-5901-TB	18-NOV-97	07:15	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K200144

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote #20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K210C0D

Reference Document No: 10028

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: Bruce Bundt

Turnaround Time:

Samples Shipment Date: 20-NOV-97

Lab Destination: Quanterra - Knoxville

Lab Contact: John Reynolds

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849873

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☐ Archive ☑ (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt	Date: 11-20-97 Time: 1630	1. Received By (Signature/Affiliation) Dave Lange	Date: 11/21/97 Time: 10:20
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Alkalinity, TDS & TSS=combined in 1 L HDPE; Metals=1L Filt, 1L Unfilt.

Rec'd @ 5°C
w/custody seals
Intact BPB 11/21/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	40 ml GVIAL,SEP	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2

H7K210C0D

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5511	PBOW97-IT-AA3-GW-002-BW-5511-TB	19-NOV-97	07:15	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
~~5460~~	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K210208

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		

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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB013

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

January 6, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB013 : H7K190173

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE4C9	001	5690	11/17/97	16:15
CE4CD	002	5900	11/18/97	11:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- *Results for the following parameters are never reported on a dry weight basis:* color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB013 : H7K200176

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE55E	001	5620	11/18/97	13:15
CE55F	002	5900	11/18/97	11:20
CE55G	003	5610	11/18/97	14:15
CE55H	004	5580	11/19/97	11:30
CE55J	005	5560	11/19/97	11:00
CE55K	006	5550-REG	11/19/97	07:30
CE55L	007	5530	11/19/97	07:30
CE55M	008	5940	11/19/97	09:15
CE55N	009	5470	11/19/97	07:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
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- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB013 : H7K210210

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE6J7	001	5660	11/20/97	13:05
CE6J8	002	5860	11/20/97	12:00
CE6J9	003	5520	11/19/97	14:30
CE6JA	004	5510	11/19/97	15:15
CE6JC	005	5490	11/20/97	08:00
CE6JD	006	5460	11/20/97	11:15
CE6JE	007	5440	11/20/97	10:15
CE6JF	008	5930	11/20/97	08:50
CE6JG	009	5870	11/20/97	12:30

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB013

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B7K220000-124	L	11/19/97	DUPLICATE CHECK
B7K250000-138	L	11/19/97	DUPLICATE CHECK
B7K250000-139	L	11/19/97	DUPLICATE CHECK
B7K260000-116	L	11/21/97	DUPLICATE CHECK
B7K260000-117	L	11/20/97	DUPLICATE CHECK
B7L010000-144	L	11/18/97	DUPLICATE CHECK
B7L010000-221	L	11/21/97	DUPLICATE CHECK
B7L010000-223	L	11/21/97	DUPLICATE CHECK
B7L010000-225	L	11/22/97	DUPLICATE CHECK
B7L010000-226	L	11/22/97	DUPLICATE CHECK
B7L030000-128	L	11/21/97	DUPLICATE CHECK
B7L040000-205	L	11/20/97	DUPLICATE CHECK
B7L050000-123	L	11/20/97	DUPLICATE CHECK
B7L100000-195	L	11/21/97	DUPLICATE CHECK
B7L100000-203	L	11/22/97	DUPLICATE CHECK
B7L100000-219	L	11/19/97	DUPLICATE CHECK
B7L100000-224	L	11/21/97	DUPLICATE CHECK
B7L120000-127	L	11/21/97	DUPLICATE CHECK
B7L120000-219	L	11/20/97	DUPLICATE CHECK
B7L180000-123	L	11/21/97	DUPLICATE CHECK
H7K190173-001		11/19/97	5690
H7K190173-002		11/19/97	5900
H7K200176-001		11/20/97	5620
H7K200176-002		11/20/97	5900
H7K200176-003		11/20/97	5610
H7K200176-004		11/20/97	5580
H7K200176-004	D	11/20/97	5580
H7K200176-004	S	11/20/97	5580
H7K200176-005		11/20/97	5560
H7K200176-006		11/20/97	5550-REG
H7K200176-006	X	11/20/97	5550-REG DUP
H7K200176-007		11/20/97	5530

(Continued on next page)

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB013

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H7K200176-008		11/20/97	5940
H7K200176-009		11/20/97	5470
H7K210210-001		11/21/97	5660
H7K210210-001	D	11/21/97	5660
H7K210210-001	S	11/21/97	5660
H7K210210-002		11/21/97	5860
H7K210210-003		11/21/97	5520
H7K210210-004		11/21/97	5510
H7K210210-005		11/21/97	5490
H7K210210-005	D	11/21/97	5490
H7K210210-005	S	11/21/97	5490
H7K210210-006		11/21/97	5460
H7K210210-006	D	11/21/97	5460
H7K210210-006	S	11/21/97	5460
H7K210210-007		11/21/97	5440
H7K210210-008		11/21/97	5930
H7K210210-009		11/21/97	5870

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB013

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Filterable Residue (TDS)	MCAWW 160.1
Nitrate	MCAWW 353.2
Non-Filterable Residue (TSS)	MCAWW 160.2
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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Environmental Services

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Nitrate

Due to severe matrix problems, the following samples were analyzed outside of holding time criteria, which was due to instrument damage from these samples: 5620, 5610, 5580, 5560, 5550-REG, 5530, 5940, 5470, 5660, 5860, 5520, 5510, 5490, 5460, and 5440. The analyses of these samples resulted in high concentrations of this analyte and no further analyses were attempted.

TOC

The following samples were originally analyzed within holding time criteria: 5470, 5660, 5860, 5520, 5510, 5490, 5460, 5440, 5930, and 5870. However, due to instrument problems, the remaining triplicate analyses and/or dilutions were performed outside of this criteria.

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5690

General Chemistry

Lot-Sample #...: H7K190173-001 Work Order #...: CE4C9 Matrix.....: WATER
Date Sampled...: 11/17/97 Date Received..: 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	820	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	ND	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	5000	1000	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 500					
Nitrate	0.4	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
	Dilution Factor: 1					
Sulfate	8000	2000	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 400					
Total Dissolved Solids	17000	100	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
	Dilution Factor: 10					
Total Organic Carbon	2700	500	mg/L	SW846 9060	12/10-12/12/97	7346219
	Dilution Factor: 500					
Total Suspended Solids	25	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2619 - 2717

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

General Chemistry

Lot-Sample #...: H7K190173-002 **Work Order #...:** CE4CD **Matrix.....:** WATER
Date Sampled...: 11/18/97 **Date Received..:** 11/19/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**79**	**50**	**mg/L**	**MCAWW 325.2**	**12/08/97**	**7344219**
	Dilution Factor: 50					
Nitrate	**0.3**	**0.1**	**mg/L**	**MCAWW 353.2**	**11/20/97**	**7326124**
	Dilution Factor: 1					
Sulfate	**610**	**500**	**mg/L**	**MCAWW 375.4**	**12/03/97**	**7344195**
	Dilution Factor: 100					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5620

General Chemistry

Lot-Sample #...: H7K200176-001 Work Order #...: CE55E Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	450	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
	Dilution Factor: 1					
Chloride - Automated	140	2	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 2					
Hardness, as CaCO3	940	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	150	25	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 5					
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	4.5	2.0	mg/L	SW846 9060	12/10-12/12/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	140	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.29 - 4.75

IT CORPORATION - KNOXVILLE

Client Sample ID: 5900

General Chemistry

Lot-Sample #...: H7K200176-002 Work Order #...: CE55F Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	210	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Hardness, as CaCO3	640	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Total Dissolved Solids	2500	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	190	20	mg/L	SW846 9060	12/10/97	7346219
	Dilution Factor: 20					
Total Suspended Solids	37	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 190.5 - 194.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5610

General Chemistry

Lot-Sample #...: H7K200176-003 Work Order #...: CE55G Matrix.....: WATER
Date Sampled...: 11/18/97 Date Received..: 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	490	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	47	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	1100	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	160	25	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 5					
Total Dissolved Solids	780	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	4.2	2.0	mg/L	SW846 9060	12/10-12/12/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	11/24-12/02/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.07 - 4.40

IT CORPORATION - KNOXVILLE

Client Sample ID: 5580

General Chemistry

Lot-Sample #...: H7K200176-004 **Work Order #...:** CS55H **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	470	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	14	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	1600	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	780	100	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 20					
Total Dissolved Solids	1700	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	4.4	2.0	mg/L	SW846 9060	12/10-12/12/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.21 - 4.59

IT CORPORATION - KNOXVILLE

Client Sample ID: 5560

General Chemistry

Lot-Sample #...: K7K200176-005 **Work Order #...:** CE55J **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	320	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	1	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	740	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	47	25	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 5					
Total Dissolved Solids	420	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	3.8	1.0	mg/L	SW846 9060	12/10-12/11/97	7346219
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.63 - 3.93

IT CORPORATION - KNOXVILLE

Client Sample ID: 5550-REG

General Chemistry

Lot-Sample #...: H7K200176-006 **Work Order #...:** CR55K **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	350	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	760	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	48	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Dissolved Solids	420	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	4.7	2.0	mg/L	SW846 9060	12/10-12/11/97	7346219
	Dilution Factor: 2					
Total Suspended Solids	6.0	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.65 - 4.98

IT CORPORATION - KNOXVILLE

Client Sample ID: 5530

General Chemistry

Lot-Sample #...: H7K200176-007 **Work Order #...:** CE55L **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	360	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	4	1	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 1					
Hardness, as CaCO3	420	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	79	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	8.6	1.0	mg/L	SW846 9060	12/10-12/11/97	7346219
	Dilution Factor: 1					
Total Suspended Solids	84	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 8.50 - 8.79

IT CORPORATION - KNOXVILLE

Client Sample ID: 5940

General Chemistry

Lot-Sample #...: H7K200176-006 **Work Order #...:** CE55M **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	120	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	6900	100	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 100					
Hardness, as CaCO3	4000	1000	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 500					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	16	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Dissolved Solids	12000	200	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 20					
Total Organic Carbon	6.5	5.0	mg/L	SW846 9060	12/10-12/11/97	7346219
	Dilution Factor: 5					
Total Suspended Solids	61	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 5.96 - 6.94

IT CORPORATION - KNOXVILLE

Client Sample ID: 5470

General Chemistry

Lot-Sample #...: H7K200176-009 **Work Order #...:** CE55N **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	670	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	790	50	mg/L	MCAWW 325.2	12/08/97	7344219
	Dilution Factor: 50					
Hardness, as CaCO3	13000	1000	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 500					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	ND	5	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 1					
Total Dissolved Solids	1900	20	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 2					
Total Organic Carbon	5.3	5.0	mg/L	SW846 9060	12/16/97	7352123
	Dilution Factor: 5					
Total Suspended Solids	38	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.93 - 6.02

IT CORPORATION - KNOXVILLE

Client Sample ID: 5660

General Chemistry

Lot-Sample #...: H7K210210-001 **Work Order #...:** CE6J7 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	610	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	920	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	ND	5	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 1					
Total Dissolved Solids	640	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	10	2.0	mg/L	SW846 9060	12/16-12/18/97	7352123
	Dilution Factor: 2					
Total Suspended Solids	130	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 9.94 - 10.44

IT CORPORATION - KNOXVILLE

Client Sample ID: 5860

General Chemistry

Lot-Sample #...: H7K210210-002 **Work Order #...:** CE6J8 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	270	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	13	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	580	20	mg/L	MCAWW 130.2	12/04/97	7339123
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	31	5	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 1					
Total Dissolved Solids	330	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	4.5	1.0	mg/L	SW846 9060	12/16/97	7352123
	Dilution Factor: 1					
Total Suspended Solids	27	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.35 - 4.59

IT CORPORATION - KNOXVILLE

Client Sample ID: 5520

General Chemistry

Lot-Sample #...: H7K210210-003 **Work Order #...:** CE6J9 **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	300	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	4	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	1200	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	710	100	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 20					
Total Dissolved Solids	1400	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	13	2.0	mg/L	SW846 9060	12/16/97	7352123
	Dilution Factor: 2					
Total Suspended Solids	17	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 12.27 - 12.94

IT CORPORATION - KNOXVILLE

Client Sample ID: 5510

General Chemistry

Lot-Sample #...: H7K210210-004 **Work Order #...:** CE6JA **Matrix.....:** WATER
Date Sampled...: 11/19/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	370	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	4	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	400	50	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 25					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	18	10	mg/L	MCAWW 375.4	12/03/97	7344195
	Dilution Factor: 2					
Total Dissolved Solids	460	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
	Dilution Factor: 1					
Total Organic Carbon	4.5	2.0	mg/L	SW846 9060	12/16-12/18/97	7352123
	Dilution Factor: 2					
Total Suspended Solids	290	4.0	mg/L	MCAWW 160.2	11/24-11/25/97	7335223
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.26 - 4.74

IT CORPORATION - KNOXVILLE

Client Sample ID: 5490

General Chemistry

Lot-Sample #...: H7K210210-005 **Work Order #...:** CE6JC **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	350	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	9	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	2100	20	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	1700	500	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 100					
Total Dissolved Solids	3100	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	6.9	2.0	mg/L	SW846 9060	12/16-12/17/97	7352123
	Dilution Factor: 2					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 6.25 - 7.87

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

General Chemistry

Lot-Sample #...: H7K210210-006 **Work Order #...:** CE6JU **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	510	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	47	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	700	50	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 25					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	48	25	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 5					
Total Dissolved Solids	750	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	7.4	2.0	mg/L	SW846 9060	12/16-12/18/97	7352123
	Dilution Factor: 2					
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 6.34 - 8.09

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

General Chemistry

Lot-Sample #...: H7K210210-007 Work Order #...: CE6JE Matrix.....: WATER
Date Sampled...: 11/20/97 Date Received..: 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	670	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	55	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	2000	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	62	25	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 5					
Total Dissolved Solids	5300	40	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 4					
Total Organic Carbon	11	5.0	mg/L	SW846 9060	12/16/97	7352123
	Dilution Factor: 5					
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 10.53 - 11.53

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

General Chemistry

Lot-Sample #...: H7K210210-008 **Work Order #...:** CE6JF **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**830**	**5.0**	**mg/L**	**MCAWW 310.1**	**12/04/97**	**7338205**
	Dilution Factor: 1					
Chloride - Automated	**1800**	**50**	**mg/L**	**MCAWW 325.2**	**12/09/97**	**7344224**
	Dilution Factor: 50					
Hardness, as CaCO3	**1800**	**100**	**mg/L**	**MCAWW 130.2**	**12/11/97**	**7346127**
	Dilution Factor: 50					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	**59**	**25**	**mg/L**	**MCAWW 375.4**	**12/04/97**	**7344203**
	Dilution Factor: 5					
Total Dissolved Solids	**3000**	**40**	**mg/L**	**MCAWW 160.1**	**11/25-11/26/97**	**7335226**
	Dilution Factor: 4					
Total Organic Carbon	**1.2**	**1.0**	**mg/L**	**SW846 9060**	**12/16/97**	**7352123**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOX: range: 1.03 - 1.26

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

General Chemistry

Lot-Sample #...: H7K210210-009 **Work Order #...:** CE6JG **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	190	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
	Dilution Factor: 1					
Chloride - Automated	240	50	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 50					
Hardness, as CaCO3	380	20	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	130	25	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 5					
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	2.7	1.0	mg/L	SW846 9060	12/16-12/17/97	7352123
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.57 - 2.77

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CEA60101		MB Lot-Sample #:	B7L010000-144	
	ND	5.0	mg/L	MCAWW 310.1	11/26/97	7335144
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CEC43101		MB Lot-Sample #:	B7L030000-128	
	ND	5.0	mg/L	MCAWW 310.1	12/01/97	7337128
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CED0W101		MB Lot-Sample #:	B7L040000-205	
	ND	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFV1101		MB Lot-Sample #:	B7L100000-219	
	ND	1	mg/L	MCAWW 325.2	12/08/97	7344219
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFVH101		MB Lot-Sample #:	B7L100000-224	
	ND	1	mg/L	MCAWW 325.2	12/09/97	7344224
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CEDH4101		MB Lot-Sample #:	B7L050000-123	
	ND	2	mg/L	MCAWW 130.2	12/04/97	7339123
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CEH0F101		MB Lot-Sample #:	B7L120000-127	
	ND	2	mg/L	MCAWW 130.2	12/11/97	7346127
		Dilution Factor: 1				
Nitrate		Work Order #: CE6RD101		MB Lot-Sample #:	B7K220000-124	
	ND	0.1	mg/L	MCAWW 353.2	11/20/97	7326124
		Dilution Factor: 1				
Nitrate		Work Order #: CE8RJ101		MB Lot-Sample #:	B7K260000-116	
	ND	0.1	mg/L	MCAWW 353.2	11/24/97	7330116
		Dilution Factor: 1				
Nitrate		Work Order #: CE8RL101		MB Lot-Sample #:	B7K260000-117	
	ND	0.1	mg/L	MCAWW 353.2	11/24/97	7330117
		Dilution Factor: 1				
Sulfate		Work Order #: CEFPL101		MB Lot-Sample #:	B7L100000-195	
	ND	5	mg/L	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CEFRA101		MB Lot-Sample #:	B7L100000-203	
	ND	5	mg/L	MCAWW 375.4	12/04/97	7344203
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CE82J101		MB Lot-Sample #:	B7K250000-139	
	ND	10	mg/L	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEAAL101		MB Lot-Sample #:	B7L010000-221	
	ND	10	mg/L	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEAAT101		MB Lot-Sample #:	B7L010000-226	
	ND	10	mg/L	MCAWW 160.1	11/25-12/01/97	7335226
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEHJ6101		MB Lot-Sample #:	B7L120000-219	
	ND	1.0	mg/L	SW846 9060	12/10/97	7346219
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEL5N101		MB Lot-Sample #:	B7L180000-123	
	ND	1.0	mg/L	SW846 9060	12/16/97	7352123
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CE82H101		MB Lot-Sample #:	B7K250000-138	
	ND	4.0	mg/L	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEAAN101		MB Lot-Sample #:	B7L010000-223	
	ND	4.0	mg/L	MCAWW 160.2	11/24-12/01/97	7335223
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEAAR101		MB Lot-Sample #:	B7L010000-225	
	ND	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB013 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		WO#:	CE6JD10C-MS/CE6JD10D-MSD			MS Lot-Sample #:	H7K210210-006
	97	(90 - 114)			MCAWW 325.2	12/09/97	7344224
	89 N	(90 - 114)	1.4	(0-12)	MCAWW 325.2	12/09/97	7344224
		Dilution Factor: 1					
Sulfate		WO#:	CE6J710A-MS/CE6J710C-MSD			MS Lot-Sample #:	H7K210210-001
	90	(80 - 120)			MCAWW 375.4	12/03/97	7344195
	81	(80 - 120)	8.6	(0-20)	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CE55H109-MS/CE55H10A-MSD			MS Lot-Sample #:	H7K200176-004
	106	(90 - 112)			SW846 9060	12/10-12/12/97	7346219
	107	(90 - 112)	0.53	(0-20)	SW846 9060	12/10-12/12/97	7346219
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CE6JC109-MS/CE6JC10A-MSD			MS Lot-Sample #:	H7K210210-005
	84 N,MSC	(90 - 112)			SW846 9060	12/16-12/17/97	7352123
	87 N,MSC	(90 - 112)	1.3	(0-20)	SW846 9060	12/16-12/17/97	7352123
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H7K190173 **Work Order #...:** CE55K-SMP CE55K-DUP **Matrix.....:** WATER

Date Sampled...: 11/19/97 **Date Received..:** 11/20/97

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hardness, as CaCO3						SD Lot-Sample #:	H7K200176-006	
	760	780	mg/L	2.6	(0-20)	MCAWW 130.2	12/04/97	7339123

Dilution Factor: 10

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB013 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH WO#:CEA60102-LCS/CEA60103-LCSD LCS Lot-Sample#: B7L010000-144							
	102	(90 - 110)			MCAWW 310.1	11/26/97	7335144
	102	(90 - 110)	0.0	(0-20)	MCAWW 310.1	11/26/97	7335144
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH WO#:CEC43102-LCS/CEC43103-LCSD LCS Lot-Sample#: B7L030000-128							
	100	(90 - 110)			MCAWW 310.1	12/01/97	7337128
	100	(90 - 110)	0.0	(0-20)	MCAWW 310.1	12/01/97	7337128
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH WO#:CED0W102-LCS/CED0W103-LCSD LCS Lot-Sample#: B7L040000-205							
	102	(90 - 110)			MCAWW 310.1	12/04/97	7338205
	100	(90 - 110)	2.0	(0-20)	MCAWW 310.1	12/04/97	7338205
		Dilution Factor: 1					
Chloride - Automated WO#:CEFVH102-LCS/CEFVH103-LCSD LCS Lot-Sample#: B7L100000-224							
	98	(90 - 115)			MCAWW 325.2	12/09/97	7344224
	97	(90 - 115)	1.4	(0-20)	MCAWW 325.2	12/09/97	7344224
		Dilution Factor: 1					
Chloride - Automated WO#:CEFV1102-LCS/CEFV1103-LCSD LCS Lot-Sample#: B7L100000-219							
	105	(90 - 115)			MCAWW 325.2	12/08/97	7344219
	97	(90 - 115)	7.7	(0-20)	MCAWW 325.2	12/08/97	7344219
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CEDH4102-LCS/CEDH4103-LCSD LCS Lot-Sample#: B7L050000-123							
	100	(90 - 110)			MCAWW 130.2	12/04/97	7339123
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/04/97	7339123
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CEH0F102-LCS/CEH0F103-LCSD LCS Lot-Sample#: B7L120000-127							
	100	(90 - 110)			MCAWW 130.2	12/11/97	7346127
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/11/97	7346127
		Dilution Factor: 1					
Nitrate WO#:CE6RD102-LCS/CE6RD103-LCSD LCS Lot-Sample#: B7K220000-124							
	104	(90 - 110)			MCAWW 353.2	11/20/97	7326124
	102	(90 - 110)	1.7	(0-20)	MCAWW 353.2	11/20/97	7326124
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB013 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:CE8RJ102-LCS/CE8RJ103-LCSD				LCS Lot-Sample#: B7K260000-116	
	100	(90 - 110)			MCAWW 353.2	11/24/97	7330116
	99	(90 - 110)	0.75	(0-20)	MCAWW 353.2	11/24/97	7330116
		Dilution Factor: 1					
Nitrate		WO#:CE8RL102-LCS/CE8RL103-LCSD				LCS Lot-Sample#: B7K260000-117	
	101	(90 - 110)			MCAWW 353.2	11/24/97	7330117
	100	(90 - 110)	1.2	(0-20)	MCAWW 353.2	11/24/97	7330117
		Dilution Factor: 1					
Sulfate		WO#:CEFPL102-LCS/CEFPL103-LCSD				LCS Lot-Sample#: B7L100000-195	
	94	(90 - 110)			MCAWW 375.4	12/03/97	7344195
	91	(90 - 110)	3.2	(0-20)	MCAWW 375.4	12/03/97	7344195
		Dilution Factor: 1					
Sulfate		WO#:CEFRA102-LCS/CEFRA103-LCSD				LCS Lot-Sample#: B7L100000-203	
	91	(90 - 110)			MCAWW 375.4	12/04/97	7344203
	91	(90 - 110)	0.0	(0-20)	MCAWW 375.4	12/04/97	7344203
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAL102-LCS/CEAAL103-LCSD				LCS Lot-Sample#: B7L010000-221	
	100	(84 - 114)			MCAWW 160.1	11/24-11/25/97	7335221
	99	(84 - 114)	1.3	(0-20)	MCAWW 160.1	11/24-11/25/97	7335221
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAT102-LCS/CEAAT103-LCSD				LCS Lot-Sample#: B7L010000-226	
	97	(84 - 114)			MCAWW 160.1	11/25-12/01/97	7335226
	98	(84 - 114)	1.1	(0-20)	MCAWW 160.1	11/25-12/01/97	7335226
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CE82J102-LCS/CE82J103-LCSD				LCS Lot-Sample#: B7K250000-139	
	99	(84 - 114)			MCAWW 160.1	11/20-11/24/97	7329139
	99	(84 - 114)	0.40	(0-20)	MCAWW 160.1	11/20-11/24/97	7329139
		Dilution Factor: 1					
Total Organic Carbon		WO#:CEHJ6102-LCS/CEHJ6103-LCSD				LCS Lot-Sample#: B7L120000-219	
	103	(90 - 112)			SW846 9060	12/10/97	7346219
	103	(90 - 112)	0.57	(0-20)	SW846 9060	12/10/97	7346219
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB013 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:CEL5N102-LCS/CEL5N103-LCSD				LCS Lot-Sample#: B7L180000-123	
	104	(90 - 112)			SW846 9060	12/16/97	7352123
	105	(90 - 112)	1.1	(0-20)	SW846 9060	12/16/97	7352123
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEAAN102-LCS/CEAAN103-LCSD				LCS Lot-Sample#: B7L010000-223	
	95	(76 - 121)			MCAWW 160.2	11/24-12/01/97	7335223
	99	(76 - 121)	3.9	(0-20)	MCAWW 160.2	11/24-12/01/97	7335223
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEAAR102-LCS/CEAAR103-LCSD				LCS Lot-Sample#: B7L010000-225	
	105	(76 - 121)			MCAWW 160.2	11/25-11/26/97	7335225
	105	(76 - 121)	0.0	(0-20)	MCAWW 160.2	11/25-11/26/97	7335225
		Dilution Factor: 1					
Total Suspended Solids		WO#:CE82H102-LCS/CE82H103-LCSD				LCS Lot-Sample#: B7K250000-138	
	90	(76 - 121)			MCAWW 160.2	11/20-11/24/97	7329138
	89	(76 - 121)	1.7	(0-20)	MCAWW 160.2	11/20-11/24/97	7329138
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

QUANTERRA
Environmental Services

Sample Delivery Group Assignment Form

IT CORPORATION
PLUMBROOK ORDNANCE WORKS
SDG# PB013

*	DATE REC'D	LOT#	CLIENT ID	ALK 310.1	TDS 160.1	TOC 9060	TSS	CHLORIDE 325.3	NITRATE 353.2	SULFATE 375.3	HARDNESS 130.2
1	11/19/97	H7K190173	5690	T	T	T	T	T	T	T	T
2			5900					T	T	T	
3	11/20/97	H7K200176	5620	T	T	T	T	T	T	T	T
4			5900	T	T	T	T				T
5			5610	T	T	T	T	T	T	T	T
6			5580	T	T	T	T	T	T	T	T
7			5560	T	T	T	T	T	T	T	T
8			5550-REG	T	T	T	T	T	T	T	T
9			5530	T	T	T	T	T	T	T	T
10			5940	T	T	T	T	T	T	T	T
11			5470	T	T	T	T	T	T	T	T
12	11/21/97	H7K210210	5660	T	T	T	T	T	T	T	T
13			5860	T	T	T	T	T	T	T	T
14			5520	T	T	T	T	T	T	T	T
15			5510	T	T	T	T	T	T	T	T
16			5490	T	T	T	T	T	T	T	T
17			5460	T	T	T	T	T	T	T	T
18			5440	T	T	T	T	T	T	T	T
19			5930	T	T	T	T	T	T	T	T
20			5870	T	T	T	T	T	T	T	T

Wetchem Parameters Only.

MATRIX: WATER
ANALYTICAL DUE: 12/19/97
REPORT DUE: 12/23/97
CLOSED?__YES__

11/21/9710:43 PM
T = QES Tampa
*A = ARCHIVED

INTERNATIONAL TECHNOLOGY CORPORATION

Quote# 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K190ITD

Reference Document No: 10022

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Bruce Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant

Carrier/Waybill No.: Fed Ex/801624849851

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions: * Alkalinity, TDS & TSS=1 L HDPE; Metals=Filt. and Unfilt.

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [✓]

Sample Disposal:

Return to Client [ ] Disposal by Lab [✓] Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-18-97 Time: 1630
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Diane Yfange — Date: 11/19/97 Time: 10:25
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments: custody Seals intact received at 2°C DY 11/19/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5751	PBOW97-MK-MW12-BW-5751-TB	17-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K190143

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5830	PBOW97-MK-MW23-GW-5830-REG	16-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH=10
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	08:40	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5411	PBOW97-IT-BG8-BEDGW-001-GW-5411-FD	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5410	PBOW97-IT-BG8-BEDGW-001-GW-5410-REG	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5750	PBOW97-MK-MW12-GW-5750-REG	17-NOV-97	13:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

ATNMUS

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	08:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5701	PBOW97-PB-PR-MW8-GW-5701-FD	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5710	PBOW97-PB-PR-MW9-GW-5710-REG	17-NOV-97	17:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5700	PBOW97-PB-PR-MW8-GW-5700-REG	17-NOV-97	15:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5420	PBOW97-IT-TNTB-BEDGW-001-GW-5420-RE	17-NOV-97	12:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H+K/MOITS

Reference Document No: 10022

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5690	PBOW97-PB-PR-MW7-GW-5690-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5960	PBOW97-PB-BED-MW20-GW-5960-REG	17-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K90173

Reference Document No: 10023

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Bill To: Accounts Receivable, 312 Directors Drive, Knoxville TN 37923

Project Name: PLUMBROOK ORUNANCE WORKS

Lab Destination: Quanterra - ~~Nashville~~ Tampa

Sample Coordinator: ~~Dave Powell~~ Bruce Bundt

Lab Contact: ~~John Reynolds~~ NANCY ROBERTSON

Report To: ~~Kim Arrant~~ NAPIER, 312 Directors Drive, Knoxville TN 37923

Turnaround Time:

Project Contact: Kim Arrant / KIM NAPIER

Carrier/Waybill No.: Fed Ex/801624852858

Special Instructions: 48 HOUR HOLD

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ✓

Sample Disposal: Return to Client ☐ Disposal by Lab ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt	Date: 11-18-97 Time: 1630	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Nitrate, Chloride and Sulfate combined in 1 L HDPE

- All samples collected on 11-18-97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	FR CID	Condition On Receipt
5750	PBOW97-NIK-MW12-GW-5750-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	1120	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5910	PBOW97-PB-BED-MW15-GW-5910-REG	18-NOV-97	0840	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5960	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5960	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5960	PBOW97-PB-BED-MW20-GW-5960-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5890	PBOW97-PB-PR-MW7-GW-5890-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5890	PBOW97-PB-PR-MW7-GW-5890-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5890	PBOW97-PB-PR-MW7-GW-5890-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5700	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5700	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	

H7K190173

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10023

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil CID	Condition On Receipt
5700	PBOW97-PB-PR-MW8-GW-5700-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5710	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5710	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5710	PBOW97-PB-PR-MW9-GW-5710-REG	18-NOV-97	0750	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5740	PBOW97-MK-MW11-GW-5740-REG	18-NOV-97	0820	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5750	PBOW97-MK-MW12-GW-5750-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5750	PBOW97-MK-MW12-GW-5750-REG	18-NOV-97	0730	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	

INTERNATIONAL TECHNOLOGY CORPORATION

Quote #20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K 200170

Reference Document No: 10025

Project Number: 771481

Samples Shipment Date: 19-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Parcell~~ Bruce Bunell

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant/Kim NAPIER

Carrier/Waybill No.: Fed Ex/801624849862

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant/Kim NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: ALKALINITY, TDS, AND TSS COMBINED IN 1 L HDPE

Possible Hazard Indentification:

Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown |✓|

Sample Disposal:

Return to Client | | Disposal by Lab |✓| Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 11-19-97 Time: 1630
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] GESKAI Date: 11/20/97 Time: 0850
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: TAL METALS=1 FILTERED AND 1 UNFILTERED.

Rec'd @ 2°C
w/custody Seals
Intact BPB 11/20/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
✓5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
✓5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
✓5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
✓5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
✓5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
✓5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5620	PBOW97-PB-TNTA-MW11-GW-5620-REG	18-NOV-97	13:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5611	PBOW97-PB-TNTA-MW10-GW-5611-FD	18-NOV-97	14:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5580	PBOW97-IT-MW08-GW-5580-REG	19-NOV-97	11:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5610	PBOW97-PB-TNTA-MW10-GW-5610-REG	18-NOV-97	14:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

HHK200140

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5561	PBOW97-IT-MW06-GW-5561-FD	19-NOV-97	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5560	PBOW97-IT-MW06-GW-5560-REG	19-NOV-97	11:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ML A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5550-MSD	PBOW97-IT-MW05-GW-5550-MSD-MSD	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5550-REG	PBOW97-IT-MW05-GW-5550-REG-REG	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5550-MS	PBOW97-IT-MW05-GW-5550-MS-MS	19-NOV-97	07:30	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5900	PBOW97-PB-BED-MW14-GW-5900-REG	18-NOV-97	11:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5901	PBOW97-PB-BED-MW14-BW-5901-TB	18-NOV-97	07:15	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K200146

Reference Document No: 10025

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5470	PBOW97-IT-AA3-BEDGW-001-GW-5470-REG	19-NOV-97	07:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5530	PBOW97-IT-MW01-GW-5530-REG	19-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5940	PBOW97-PB-BED-MW18-GW-5940-REG	19-NOV-97	09:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K210210

Reference Document No: 10028

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: Bruce Bundt

Turnaround Time:

Samples Shipment Date: 20-NOV-97

Lab Destination: Quanterra - Knoxville

Lab Contact: John Reynolds

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849873

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown |✓|

Sample Disposal:
Return to Client | | Disposal by Lab |✓| Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-20-97 Time: 1630

2. Relinquished By (Signature/Affiliation) — Date: Time:

3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Diane Lange — Date: 11/21/97 Time: 10:20

2. Received By (Signature/Affiliation) — Date: Time:

3. Received By (Signature/Affiliation) — Date: Time:

Comments: Alkalinity, TDS & TSS=combined in 1 L HDPE; Metals=1L Filt, 1L Unfilt.

Rec'd @ 5°C w/custody seals Intact BPB 11/21/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	40 ml GVIAL,SEP	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5511	PBOW97-IT-AA3-GW-002-BW-5511-TB	19-NOV-97	07:15	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

H7K210210

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		

H7K210210

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10029

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: Bruce Bundy/JDPurcell

Turnaround Time:

Samples Shipment Date: 20-NOV-97

Lab Destination: Quanterra - Tampa

Lab Contact: Nancy Robertson

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852836

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: 48 hour hold

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-20-97 Time: 1630	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Chloride, Nitrate and Sulfate combined in 1 L HDPE

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	20-NOV-97	14:30	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	20-NOV-97	14:30	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	

FROM : IT CORPWAUW SITE PHONE NO. : 304 675 4236 Nov. 20 1997 10:26PM P5

H7K210210

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10029

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5440	PBOW97-IT-MINTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5440	PBOW97-IT-MINTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	[illegible]	[illegible]	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	[illegible]	[illegible]	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	[illegible]	[illegible]	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		

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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB014

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

January 8, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB014 : H7K210209

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE6HX	001	5460	11/20/97	11:15
CE6J0	002	5440	11/20/97	10:15
CE6J1	003	5930	11/20/97	08:50
CE6J2	004	5870	11/20/97	12:30
CE6J3	005	5460F	11/20/97	11:15
CE6J4	006	5440F	11/20/97	10:15
CE6J5	007	5930F	11/20/97	08:50
CE6J6	008	5870F	11/20/97	12:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB014 : H7K220146

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE75W	001	5970	11/21/97	12:00
CE75X	002	5880	11/20/97	17:00
CE760	003	5851	11/21/97	08:00
CE761	004	5850	11/20/97	16:15
CE762	005	5790	11/21/97	09:30
CE763	006	5780	11/21/97	10:45
CE764	007	5670	11/21/97	10:30
CE765	008	5650	11/21/97	08:50
CE766	009	5540	11/21/97	10:20
CE767	010	5881	11/20/97	15:00
CE768	011	5970F	11/21/97	12:00
CE769	012	5880F	11/20/97	17:20
CE76A	013	5851F	11/21/97	08:00
CE76C	014	5790F	11/21/97	09:30
CE76D	015	5850F	11/20/97	16:15
CE76E	016	5780F	11/21/97	10:45
CE76F	017	5670F	11/21/97	10:30
CE76G	018	5650F	11/21/97	08:50
CE76H	019	5540F	11/21/97	10:20

NOTE(S):

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Quanterra
Environmental Services

SAMPLE SUMMARY

PB014 : H7K260165

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE9HC	001	5920	11/24/97	08:30
CE9HD	002	5680	11/24/97	09:00
CE9HE	003	5640	11/24/97	07:45
CE9HF	004	5630	11/21/97	07:30
CE9HG	005	5590	11/21/97	16:00
CE9HH	006	5670	11/23/97	10:30
CE9HJ	007	5921	11/23/97	07:00
CE9HK	008	5920F	11/24/97	08:30
CE9HL	009	5680F	11/24/97	09:00
CE9HM	010	5640F	11/24/97	07:45
CE9HN	011	5630F	11/21/97	07:30
CE9HP	012	5590F	11/21/97	16:00

NOTE(S):

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- Results noted as "ND" were not detected at or above the stated limit.
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Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB014

PARAMETER	ANALYTICAL METHOD
Dissolved ICP Metals	SW846 6010A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Total Cyanide	SW846 9010A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Volatiles

The percent RPD for chlorobenzene and 1,1-dichloroethene in the LCS/LCSD (CECPL102 and CECPL103), were found outside laboratory control limits. However, all samples run against these spikes were found to be free of the analytes in question with the exception of 5590 and 5460, which had levels below reporting limits.

Pesticides/PCBs

The laboratory control sample results were outside control limits for Aroclor 1016. However, the laboratory control sample duplicate recoveries were acceptable, indicating that the problem was confined to the laboratory control sample. Thus, the validity of the sample results is not adversely affected.

Explosives

The batch matrix spike/matrix spike duplicate had recoveries which were acceptable for all analytes except 2,4-DNT. The laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Metals

The serial dilution of samples 5460 and 5460F were outside control limits due to physical or chemical matrix interferences.

The batch matrix spike/matrix spike duplicate recoveries for sample 5460 were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. In addition, results outside of limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level. The affected analytes are flagged appropriately on the matrix spike/matrix spike duplicate report.

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PROJECT NARRATIVE

COMMENTS:

Volatiles

Samples 5440,5970, 5460, 5930, and 5920 were reported with elevated reporting limits for all analytes. Based on screening results, dilutions were necessary prior to analysis; the reporting limits were adjusted accordingly.

Semivolatiles

Sample 5920, 5680, 5970, and 5930, were reported with elevated reporting limits for all analytes due to the difficult sample matrix and screening results. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Explosives

The following samples were reported with elevated reporting limits for one or more analytes due to sample matrix interferences: 5460, 5680, 5790, 5920, 5930, 5970.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

GC/MS Volatiles

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	50	ug/L	SW846 8260A
Bromomethane	ND	50	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	50	ug/L	SW846 8260A
Methylene chloride	**7.4 J,B**	**25**	**ug/L**	**SW846 8260A**
Acetone	ND	250	ug/L	SW846 8260A
Carbon disulfide	**5.5 J**	**25**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	25	ug/L	SW846 8260A
1,1-Dichloroethane	ND	25	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	25	ug/L	SW846 8260A
Chloroform	ND	25	ug/L	SW846 8260A
1,2-Dichloroethane	ND	25	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	25	ug/L	SW846 8260A
Carbon tetrachloride	ND	25	ug/L	SW846 8260A
Bromodichloromethane	ND	25	ug/L	SW846 8260A
1,2-Dichloropropane	ND	25	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Trichloroethene	ND	25	ug/L	SW846 8260A
Dibromochloromethane	ND	25	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	25	ug/L	SW846 8260A
Benzene	**33**	**25**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Bromoform	ND	25	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	25	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	25	ug/L	SW846 8260A
Toluene	**32**	**25**	**ug/L**	**SW846 8260A**
Chlorobenzene	**21 J**	**25**	**ug/L**	**SW846 8260A**
Ethylbenzene	**23 J**	**25**	**ug/L**	**SW846 8260A**
Styrene	ND	25	ug/L	SW846 8260A
Xylenes (total)	**200**	**25**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

GC/MS Volatiles

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

GC/MS Volatiles

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	20	ug/L	SW846 8260A
Bromomethane	ND	20	ug/L	SW846 8260A
Vinyl chloride	ND	20	ug/L	SW846 8260A
Chloroethane	ND	20	ug/L	SW846 8260A
Methylene chloride	**5.1 J,B**	**10**	**ug/L**	**SW846 8260A**
Acetone	ND	100	ug/L	SW846 8260A
Carbon disulfide	**3.7 J**	**10**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	10	ug/L	SW846 8260A
1,1-Dichloroethane	ND	10	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	10	ug/L	SW846 8260A
Chloroform	ND	10	ug/L	SW846 8260A
1,2-Dichloroethane	ND	10	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	10	ug/L	SW846 8260A
Carbon tetrachloride	ND	10	ug/L	SW846 8260A
Bromodichloromethane	ND	10	ug/L	SW846 8260A
1,2-Dichloropropane	ND	10	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Trichloroethene	ND	10	ug/L	SW846 8260A
Dibromochloromethane	ND	10	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	10	ug/L	SW846 8260A
Benzene	ND	10	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Bromoform	ND	10	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	ND	10	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	10	ug/L	SW846 8260A
Toluene	ND	10	ug/L	SW846 8260A
Chlorobenzene	ND	10	ug/L	SW846 8260A
Ethylbenzene	ND	10	ug/L	SW846 8260A
Styrene	ND	10	ug/L	SW846 8260A
Xylenes (total)	**8.2 J**	**10**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

GC/MS Volatiles

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

GC/MS Volatiles

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	**18 J,B**	**50**	**ug/L**	**SW846 8260A**
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	**40 J**	**50**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	50	ug/L	SW846 8260A
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	250	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	50	ug/L	SW846 8260A
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	ND	50	ug/L	SW846 8260A
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	**10 J**	**50**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	250	ug/L	SW846 8260A
2-Hexanone	ND	250	ug/L	SW846 8260A
Tetrachloroethene	ND	50	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	**140**	**50**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	**79**	**50**	**ug/L**	**SW846 8260A**
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	**360**	**50**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

GC/MS Volatiles

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

GC/MS Volatiles

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J2101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.27 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

GC/MS Volatiles

Lot-Sample #...: H7K210209-004 Work Order #...: CE6J2101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

GC/MS Volatiles

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7336250
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	50	ug/L	SW846 8260A
Bromomethane	ND	50	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	50	ug/L	SW846 8260A
Methylene chloride	**14 J,B**	**25**	**ug/L**	**SW846 8260A**
Acetone	ND	250	ug/L	SW846 8260A
Carbon disulfide	ND	25	ug/L	SW846 8260A
1,1-Dichloroethene	ND	25	ug/L	SW846 8260A
1,1-Dichloroethane	ND	25	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	25	ug/L	SW846 8260A
Chloroform	ND	25	ug/L	SW846 8260A
1,2-Dichloroethane	ND	25	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	25	ug/L	SW846 8260A
Carbon tetrachloride	ND	25	ug/L	SW846 8260A
Bromodichloromethane	ND	25	ug/L	SW846 8260A
1,2-Dichloropropane	ND	25	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Trichloroethene	ND	25	ug/L	SW846 8260A
Dibromochloromethane	ND	25	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	25	ug/L	SW846 8260A
Benzene	**8.8 J**	**25**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Bromoform	ND	25	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	25	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	25	ug/L	SW846 8260A
Toluene	ND	25	ug/L	SW846 8260A
Chlorobenzene	ND	25	ug/L	SW846 8260A
Ethylbenzene	ND	25	ug/L	SW846 8260A
Styrene	ND	25	ug/L	SW846 8260A
Xylenes (total)	**4.0 J**	**25**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

GC/MS Volatiles

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

GC/MS Volatiles

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.40 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

GC/MS Volatiles

Lot-Sample #...: H7K220146-002 Work Order #...: CE75X101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

GC/MS Volatiles

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE760101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.65 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	**0.97 J**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	**0.21 J**	**1.0**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

GC/MS Volatiles

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE760101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

GC/MS Volatiles

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.39 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

GC/MS Volatiles

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

GC/MS Volatiles

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.39 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

GC/MS Volatiles

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

GC/MS Volatiles

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.40 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

GC/MS Volatiles

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

GC/MS Volatiles

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE764101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.33 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.33 J,B**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

GC/MS Volatiles

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE764101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

GC/MS Volatiles

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE765101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.43 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.51 J,B**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

GC/MS Volatiles

Lot-Sample #...: H7K220146-008 Work Order #...: CE765101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

GC/MS Volatiles

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE766101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

GC/MS Volatiles

Lot-Sample #...: H7K220146-009 Work Order #...: CE766101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5881

GC/MS Volatiles

Lot-Sample #...: H7K220146-010 **Work Order #...:** CE767101 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 12/02/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.70 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5881

GC/MS Volatiles

Lot-Sample #...: H7K220146-010 **Work Order #...:** CE767101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

GC/MS Volatiles

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC101 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	50	ug/L	SW846 8260A
Bromomethane	ND	50	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	50	ug/L	SW846 8260A
Methylene chloride	**8.8 J,B**	**25**	**ug/L**	**SW846 8260A**
Acetone	ND	250	ug/L	SW846 8260A
Carbon disulfide	ND	25	ug/L	SW846 8260A
1,1-Dichloroethene	ND	25	ug/L	SW846 8260A
1,1-Dichloroethane	ND	25	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	25	ug/L	SW846 8260A
Chloroform	ND	25	ug/L	SW846 8260A
1,2-Dichloroethane	ND	25	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	25	ug/L	SW846 8260A
Carbon tetrachloride	ND	25	ug/L	SW846 8260A
Bromodichloromethane	ND	25	ug/L	SW846 8260A
1,2-Dichloropropane	ND	25	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Trichloroethene	ND	25	ug/L	SW846 8260A
Dibromochloromethane	ND	25	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	25	ug/L	SW846 8260A
Benzene	**490**	**25**	**ug/L**	**SW846 8260A**
trans-1,3-Dichloropropene	ND	25	ug/L	SW846 8260A
Bromoform	ND	25	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	25	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	25	ug/L	SW846 8260A
Toluene	**390**	**25**	**ug/L**	**SW846 8260A**
Chlorobenzene	ND	25	ug/L	SW846 8260A
Ethylbenzene	**130**	**25**	**ug/L**	**SW846 8260A**
Styrene	ND	25	ug/L	SW846 8260A
Xylenes (total)	**1100**	**25**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

GC/MS Volatiles

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

GC/MS Volatiles

Lot-Sample #...: H7K260165-002 **Work Order #...:** CE9HD101 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	**0.17 J**	**1.0**	**ug/L**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

GC/MS Volatiles

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE101 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

GC/MS Volatiles

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

GC/MS Volatiles

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG101 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	**0.17 J**	**1.0**	**ug/L**	**SW846 8260A**
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5921

GC/MS Volatiles

Lot-Sample #...: H7K260165-007 **Work Order #...:** CE9HJ101 **Matrix.....:** WATER
Date Sampled...: 11/23/97 **Date Received..:** 11/25/97
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.50 J,B**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5921

GC/MS Volatiles

Lot-Sample #...: H7K260165-007 Work Order #...: CE9HJ101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEA3P101 **Matrix.....:** WATER
MB Lot-Sample #: H7L010000-111

Prep Date.....: 12/01/97
Analysis Date..: 12/01/97 **Prep Batch #...:** 7335111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.41 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	87	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEA3P101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEC1D101 **Matrix.....:** WATER
MB Lot-Sample #: H7L020000-250

Prep Date.....: 12/02/97
Analysis Date..: 12/02/97 **Prep Batch #...:** 7336250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.50 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**0.50 J**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEC1D101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CECPL101 **Matrix.....:** WATER
MB Lot-Sample #: H7L040000-118

Prep Date.....: 12/04/97
Analysis Date..: 12/04/97 **Prep Batch #...:** 7338118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**0.33 J**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	5.0	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260A
2-Hexanone	ND	5.0	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CECPL101 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEA3P102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7L010000-111 CEA3P103-LCSD
Prep Date.....: 12/01/97 **Analysis Date..:** 12/01/97
Prep Batch #...: 7335111
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**99**	**(70 - 137)**			**SW846 8260A**
	97	**(70 - 137)**	**2.7**	**(0-12)**	**SW846 8260A**
Benzene	**90**	**(76 - 123)**			**SW846 8260A**
	88	**(76 - 123)**	**1.8**	**(0-10)**	**SW846 8260A**
Trichloroethene	**97**	**(75 - 129)**			**SW846 8260A**
	93	**(75 - 129)**	**5.1**	**(0-14)**	**SW846 8260A**
Toluene	**91**	**(77 - 115)**			**SW846 8260A**
	88	**(77 - 115)**	**3.3**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**93**	**(78 - 116)**			**SW846 8260A**
	86	**(78 - 116)**	**7.3**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(67 - 128)
	96	(67 - 128)
Toluene-d8	96	(71 - 119)
	94	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)
	87	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CEC1D102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7L020000-250 CEC1D103-LCSD
Prep Date.....: 12/02/97 **Analysis Date..:** 12/02/97
Prep Batch #...: 7336250
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**108**	**(70 - 137)**			**SW846 8260A**
	104	**(70 - 137)**	**4.1**	**(0-12)**	**SW846 8260A**
Benzene	**96**	**(76 - 123)**			**SW846 8260A**
	99	**(76 - 123)**	**3.0**	**(0-10)**	**SW846 8260A**
Trichloroethene	**102**	**(75 - 129)**			**SW846 8260A**
	103	**(75 - 129)**	**0.75**	**(0-14)**	**SW846 8260A**
Toluene	**94**	**(77 - 115)**			**SW846 8260A**
	99	**(77 - 115)**	**5.2**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**96**	**(78 - 116)**			**SW846 8260A**
	96	**(78 - 116)**	**0.18**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(67 - 128)
	99	(67 - 128)
Toluene-d8	91	(71 - 119)
	96	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)
	86	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB014 **Work Order #...:** CECPL102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7L040000-118 CECPL103-LCSD
Prep Date.....: 12/04/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7338118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**107**	**(70 - 137)**			**SW846 8260A**
	93 p	**(70 - 137)**	**14**	**(0-12)**	**SW846 8260A**
Benzene	**96**	**(76 - 123)**			**SW846 8260A**
	88	**(76 - 123)**	**9.0**	**(0-10)**	**SW846 8260A**
Trichloroethene	**105**	**(75 - 129)**			**SW846 8260A**
	95	**(75 - 129)**	**9.8**	**(0-14)**	**SW846 8260A**
Toluene	**90**	**(77 - 115)**			**SW846 8260A**
	83	**(77 - 115)**	**8.4**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**97**	**(78 - 116)**			**SW846 8260A**
	85 p	**(78 - 116)**	**13**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(67 - 128)
	101	(67 - 128)
Toluene-d8	92	(71 - 119)
	91	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)
	83	(76 - 111)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**1.3 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**1.3 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(11 - 121)
Phenol-d5	77	(19 - 125)
Nitrobenzene-d5	82	(49 - 124)
2-Fluorobiphenyl	76	(46 - 120)
2,4,6-Tribromophenol	70	(36 - 144)
Terphenyl-d14	57	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	**17**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	**1.7 J**	**10**	**ug/L**	**SW846 8270B**
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	**2.3 J**	**10**	**ug/L**	**SW846 8270B**
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	**1.9 J**	**10**	**ug/L**	**SW846 8270B**
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.9 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(11 - 121)
Phenol-d5	62	(19 - 125)
Nitrobenzene-d5	66	(49 - 124)
2-Fluorobiphenyl	63	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	37	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7329203
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	100	ug/L	SW846 8270B
2-Chlorophenol	ND	100	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	100	ug/L	SW846 8270B
2-Methylphenol	ND	100	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	100	ug/L	SW846 8270B
4-Methylphenol	ND	100	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	100	ug/L	SW846 8270B
Hexachloroethane	ND	100	ug/L	SW846 8270B
Nitrobenzene	ND	100	ug/L	SW846 8270B
Isophorone	ND	100	ug/L	SW846 8270B
2-Nitrophenol	ND	100	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	100	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	100	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	100	ug/L	SW846 8270B
Naphthalene	ND	100	ug/L	SW846 8270B
4-Chloroaniline	ND	100	ug/L	SW846 8270B
Hexachlorobutadiene	ND	100	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	100	ug/L	SW846 8270B
2-Methylnaphthalene	ND	100	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	500	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	100	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	100	ug/L	SW846 8270B
2-Chloronaphthalene	ND	100	ug/L	SW846 8270B
2-Nitroaniline	ND	500	ug/L	SW846 8270B
Dimethyl phthalate	ND	100	ug/L	SW846 8270B
Acenaphthylene	ND	100	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	100	ug/L	SW846 8270B
3-Nitroaniline	ND	500	ug/L	SW846 8270B
Acenaphthene	ND	100	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	500	ug/L	SW846 8270B
4-Nitrophenol	ND	500	ug/L	SW846 8270B
Dibenzofuran	ND	100	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	100	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	100	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Fluorene	ND	100	ug/L	SW846 8270B
4-Nitroaniline	ND	500	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	500	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	100	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Hexachlorobenzene	ND	100	ug/L	SW846 8270B
Pentachlorophenol	ND	500	ug/L	SW846 8270B
Phenanthrene	ND	100	ug/L	SW846 8270B
Anthracene	ND	100	ug/L	SW846 8270B
Carbazole	ND	100	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	100	ug/L	SW846 8270B
Fluoranthene	ND	100	ug/L	SW846 8270B
Pyrene	ND	100	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	100	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	500	ug/L	SW846 8270B
Benzo(a)anthracene	ND	100	ug/L	SW846 8270B
Chrysene	ND	100	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	100	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	100	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(a)pyrene	ND	100	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	100	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	100	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J2102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

GC/MS Semivolatiles

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J2102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	**2.7 J**	**10**	**ug/L**	**SW846 8270B**
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(11 - 121)
Phenol-d5	75	(19 - 125)
Nitrobenzene-d5	76	(49 - 124)
2-Fluorobiphenyl	72	(46 - 120)
2,4,6-Tribromophenol	42	(36 - 144)
Terphenyl-d14	84	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	100	ug/L	SW846 8270B
2-Chlorophenol	ND	100	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	100	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	100	ug/L	SW846 8270B
2-Methylphenol	ND	100	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	100	ug/L	SW846 8270B
4-Methylphenol	ND	100	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	100	ug/L	SW846 8270B
Hexachloroethane	ND	100	ug/L	SW846 8270B
Nitrobenzene	ND	100	ug/L	SW846 8270B
Isophorone	ND	100	ug/L	SW846 8270B
2-Nitrophenol	ND	100	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	100	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	100	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	100	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	100	ug/L	SW846 8270B
Naphthalene	ND	100	ug/L	SW846 8270B
4-Chloroaniline	ND	100	ug/L	SW846 8270B
Hexachlorobutadiene	ND	100	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	100	ug/L	SW846 8270B
2-Methylnaphthalene	ND	100	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	500	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	100	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	100	ug/L	SW846 8270B
2-Chloronaphthalene	ND	100	ug/L	SW846 8270B
2-Nitroaniline	ND	500	ug/L	SW846 8270B
Dimethyl phthalate	ND	100	ug/L	SW846 8270B
Acenaphthylene	ND	100	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	100	ug/L	SW846 8270B
3-Nitroaniline	ND	500	ug/L	SW846 8270B
Acenaphthene	ND	100	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	500	ug/L	SW846 8270B
4-Nitrophenol	ND	500	ug/L	SW846 8270B
Dibenzofuran	ND	100	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	100	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	100	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Fluorene	ND	100	ug/L	SW846 8270B
4-Nitroaniline	ND	500	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	500	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	100	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	100	ug/L	SW846 8270B
Hexachlorobenzene	ND	100	ug/L	SW846 8270B
Pentachlorophenol	ND	500	ug/L	SW846 8270B
Phenanthrene	ND	100	ug/L	SW846 8270B
Anthracene	ND	100	ug/L	SW846 8270B
Carbazole	ND	100	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	100	ug/L	SW846 8270B
Fluoranthene	ND	100	ug/L	SW846 8270B
Pyrene	ND	100	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	100	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	500	ug/L	SW846 8270B
Benzo(a)anthracene	ND	100	ug/L	SW846 8270B
Chrysene	ND	100	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**23 J**	**100**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	100	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	100	ug/L	SW846 8270B
Benzo(a)pyrene	ND	100	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	100	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	100	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(11 - 121)
Phenol-d5	82	(19 - 125)
Nitrobenzene-d5	89	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	71	(36 - 144)
Terphenyl-d14	71	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE760102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE760102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	87	(49 - 124)
2-Fluorobiphenyl	82	(46 - 120)
2,4,6-Tribromophenol	76	(36 - 144)
Terphenyl-d14	105	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761102 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	15	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	15	ug/L	SW846 8270B
2-Chlorophenol	ND	15	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	15	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	15	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	15	ug/L	SW846 8270B
2-Methylphenol	ND	15	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	15	ug/L	SW846 8270B
4-Methylphenol	ND	15	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	15	ug/L	SW846 8270B
Hexachloroethane	ND	15	ug/L	SW846 8270B
Nitrobenzene	ND	15	ug/L	SW846 8270B
Isophorone	ND	15	ug/L	SW846 8270B
2-Nitrophenol	ND	15	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	15	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	15	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	15	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	15	ug/L	SW846 8270B
Naphthalene	ND	15	ug/L	SW846 8270B
4-Chloroaniline	ND	15	ug/L	SW846 8270B
Hexachlorobutadiene	ND	15	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	15	ug/L	SW846 8270B
2-Methylnaphthalene	ND	15	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	73	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	15	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	15	ug/L	SW846 8270B
2-Chloronaphthalene	ND	15	ug/L	SW846 8270B
2-Nitroaniline	ND	73	ug/L	SW846 8270B
Dimethyl phthalate	ND	15	ug/L	SW846 8270B
Acenaphthylene	ND	15	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	15	ug/L	SW846 8270B
3-Nitroaniline	ND	73	ug/L	SW846 8270B
Acenaphthene	ND	15	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	73	ug/L	SW846 8270B
4-Nitrophenol	ND	73	ug/L	SW846 8270B
Dibenzofuran	ND	15	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	15	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	15	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	15	ug/L	SW846 8270B
Fluorene	ND	15	ug/L	SW846 8270B
4-Nitroaniline	ND	73	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	73	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	15	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	15	ug/L	SW846 8270B
Hexachlorobenzene	ND	15	ug/L	SW846 8270B
Pentachlorophenol	ND	73	ug/L	SW846 8270B
Phenanthrene	ND	15	ug/L	SW846 8270B
Anthracene	ND	15	ug/L	SW846 8270B
Carbazole	ND	15	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	15	ug/L	SW846 8270B
Fluoranthene	ND	15	ug/L	SW846 8270B
Pyrene	ND	15	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	15	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	73	ug/L	SW846 8270B
Benzo(a)anthracene	ND	15	ug/L	SW846 8270B
Chrysene	ND	15	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**100**	**15**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	15	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	15	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	15	ug/L	SW846 8270B
Benzo(a)pyrene	ND	15	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	15	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	15	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	15	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	89	(49 - 124)
2-Fluorobiphenyl	79	(46 - 120)
2,4,6-Tribromophenol	72	(36 - 144)
Terphenyl-d14	44	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(11 - 121)
Phenol-d5	88	(19 - 125)
Nitrobenzene-d5	92	(49 - 124)
2-Fluorobiphenyl	82	(46 - 120)
2,4,6-Tribromophenol	78	(36 - 144)
Terphenyl-d14	79	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**2.4 J**	**10**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(11 - 121)
Phenol-d5	46	(19 - 125)
Nitrobenzene-d5	76	(49 - 124)
2-Fluorobiphenyl	73	(46 - 120)
2,4,6-Tribromophenol	71	(36 - 144)
Terphenyl-d14	84	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE764102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE764102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	**2.7 J**	**10**	**ug/L**	**SW846 8270B**
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(11 - 121)
Phenol-d5	76	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
2-Fluorobiphenyl	75	(46 - 120)
2,4,6-Tribromophenol	61	(36 - 144)
Terphenyl-d14	74	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE765102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE765102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(11 - 121)
Phenol-d5	58	(19 - 125)
Nitrobenzene-d5	63	(49 - 124)
2-Fluorobiphenyl	58	(46 - 120)
2,4,6-Tribromophenol	46	(36 - 144)
Terphenyl-d14	68	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE766102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	**1.5 J**	**50**	**ug/L**	**SW846 8270B**
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	**7.1 J**	**10**	**ug/L**	**SW846 8270B**
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	**43**	**10**	**ug/L**	**SW846 8270B**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

GC/MS Semivolatiles

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE766102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	**12 J**	**50**	**ug/L**	**SW846 8270B**
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(11 - 121)
Phenol-d5	82	(19 - 125)
Nitrobenzene-d5	93	(49 - 124)
2-Fluorobiphenyl	83	(46 - 120)
2,4,6-Tribromophenol	75	(36 - 144)
Terphenyl-d14	47	(22 - 152)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC102 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	2000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	2000	ug/L	SW846 8270B
2-Chlorophenol	ND	2000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	2000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	2000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	2000	ug/L	SW846 8270B
2-Methylphenol	ND	2000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	2000	ug/L	SW846 8270B
4-Methylphenol	ND	2000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	2000	ug/L	SW846 8270B
Hexachloroethane	ND	2000	ug/L	SW846 8270B
Nitrobenzene	ND	2000	ug/L	SW846 8270B
Isophorone	ND	2000	ug/L	SW846 8270B
2-Nitrophenol	ND	2000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	2000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	2000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	2000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	2000	ug/L	SW846 8270B
Naphthalene	ND	2000	ug/L	SW846 8270B
4-Chloroaniline	ND	2000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	2000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	2000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	2000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	10000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	2000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	2000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	2000	ug/L	SW846 8270B
2-Nitroaniline	ND	10000	ug/L	SW846 8270B
Dimethyl phthalate	ND	2000	ug/L	SW846 8270B
Acenaphthylene	ND	2000	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	2000	ug/L	SW846 8270B
3-Nitroaniline	ND	10000	ug/L	SW846 8270B
Acenaphthene	ND	2000	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	10000	ug/L	SW846 8270B
4-Nitrophenol	ND	10000	ug/L	SW846 8270B
Dibenzofuran	ND	2000	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	2000	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	2000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	2000	ug/L	SW846 8270B
Fluorene	ND	2000	ug/L	SW846 8270B
4-Nitroaniline	ND	10000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	10000	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	2000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	2000	ug/L	SW846 8270B
Hexachlorobenzene	ND	2000	ug/L	SW846 8270B
Pentachlorophenol	ND	10000	ug/L	SW846 8270B
Phenanthrene	ND	2000	ug/L	SW846 8270B
Anthracene	ND	2000	ug/L	SW846 8270B
Carbazole	ND	2000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	2000	ug/L	SW846 8270B
Fluoranthene	ND	2000	ug/L	SW846 8270B
Pyrene	ND	2000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	2000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	10000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	2000	ug/L	SW846 8270B
Chrysene	ND	2000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**920 J**	**2000**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	2000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	2000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	2000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	2000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	2000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	2000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	2000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-002 **Work Order #...:** CE9HD102 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	1000	ug/L	SW846 8270B
2-Chlorophenol	ND	1000	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	1000	ug/L	SW846 8270B
2-Methylphenol	ND	1000	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	1000	ug/L	SW846 8270B
4-Methylphenol	ND	1000	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	1000	ug/L	SW846 8270B
Hexachloroethane	ND	1000	ug/L	SW846 8270B
Nitrobenzene	ND	1000	ug/L	SW846 8270B
Isophorone	ND	1000	ug/L	SW846 8270B
2-Nitrophenol	ND	1000	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	1000	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	1000	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	1000	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	1000	ug/L	SW846 8270B
Naphthalene	ND	1000	ug/L	SW846 8270B
4-Chloroaniline	ND	1000	ug/L	SW846 8270B
Hexachlorobutadiene	ND	1000	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	1000	ug/L	SW846 8270B
2-Methylnaphthalene	ND	1000	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	5000	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	1000	ug/L	SW846 8270B
2-Chloronaphthalene	ND	1000	ug/L	SW846 8270B
2-Nitroaniline	ND	5000	ug/L	SW846 8270B
Dimethyl phthalate	ND	1000	ug/L	SW846 8270B
Acenaphthylene	ND	1000	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	1000	ug/L	SW846 8270B
3-Nitroaniline	ND	5000	ug/L	SW846 8270B
Acenaphthene	ND	1000	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	5000	ug/L	SW846 8270B
4-Nitrophenol	ND	5000	ug/L	SW846 8270B
Dibenzofuran	ND	1000	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	1000	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-002 **Work Order #...:** CE9HD102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	1000	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Fluorene	ND	1000	ug/L	SW846 8270B
4-Nitroaniline	ND	5000	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	5000	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	1000	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	1000	ug/L	SW846 8270B
Hexachlorobenzene	ND	1000	ug/L	SW846 8270B
Pentachlorophenol	ND	5000	ug/L	SW846 8270B
Phenanthrene	ND	1000	ug/L	SW846 8270B
Anthracene	ND	1000	ug/L	SW846 8270B
Carbazole	ND	1000	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	1000	ug/L	SW846 8270B
Fluoranthene	ND	1000	ug/L	SW846 8270B
Pyrene	ND	1000	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	1000	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	5000	ug/L	SW846 8270B
Benzo(a)anthracene	ND	1000	ug/L	SW846 8270B
Chrysene	ND	1000	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	1000	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	1000	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	1000	ug/L	SW846 8270B
Benzo(a)pyrene	ND	1000	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	1000	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	1000	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	1000	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(11 - 121)
Phenol-d5	NC,DIL	(19 - 125)
Nitrobenzene-d5	NC,DIL	(49 - 124)
2-Fluorobiphenyl	NC,DIL	(46 - 120)
2,4,6-Tribromophenol	NC,DIL	(36 - 144)
Terphenyl-d14	NC,DIL	(22 - 152)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE102 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(11 - 121)
Phenol-d5	77	(19 - 125)
Nitrobenzene-d5	88	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
2,4,6-Tribromophenol	72	(36 - 144)
Terphenyl-d14	51	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(11 - 121)
Phenol-d5	82	(19 - 125)
Nitrobenzene-d5	88	(49 - 124)
2-Fluorobiphenyl	77	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	85	(22 - 152)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG102 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

GC/MS Semivolatiles

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(11 - 121)
Phenol-d5	59	(19 - 125)
Nitrobenzene-d5	63	(49 - 124)
2-Fluorobiphenyl	57	(46 - 120)
2,4,6-Tribromophenol	58	(36 - 144)
Terphenyl-d14	51	(22 - 152)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE87P101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-203

Prep Date.....: 11/25/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7329203
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE87P101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(11 - 121)
Phenol-d5	84	(19 - 125)
Nitrobenzene-d5	82	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	87	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE9KL101 **Matrix.....:** WATER
MB Lot-Sample #: H7K270000-104

Prep Date.....: 11/27/97
Analysis Date..: 12/21/97 **Prep Batch #...:** 7331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	10	ug/L	SW846 8270B
2-Chlorophenol	ND	10	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270B
2-Methylphenol	ND	10	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270B
4-Methylphenol	ND	10	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270B
Hexachloroethane	ND	10	ug/L	SW846 8270B
Nitrobenzene	ND	10	ug/L	SW846 8270B
Isophorone	ND	10	ug/L	SW846 8270B
2-Nitrophenol	ND	10	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270B
Naphthalene	ND	10	ug/L	SW846 8270B
4-Chloroaniline	ND	10	ug/L	SW846 8270B
Hexachlorobutadiene	ND	10	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270B
2-Methylnaphthalene	ND	10	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270B
2-Chloronaphthalene	ND	10	ug/L	SW846 8270B
2-Nitroaniline	ND	50	ug/L	SW846 8270B
Dimethyl phthalate	ND	10	ug/L	SW846 8270B
Acenaphthylene	ND	10	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270B
3-Nitroaniline	ND	50	ug/L	SW846 8270B
Acenaphthene	ND	10	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270B
4-Nitrophenol	ND	50	ug/L	SW846 8270B
Dibenzofuran	ND	10	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270B
Diethyl phthalate	ND	10	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE9KL101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	10	ug/L	SW846 8270B
4-Nitroaniline	ND	50	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270B
Hexachlorobenzene	ND	10	ug/L	SW846 8270B
Pentachlorophenol	ND	50	ug/L	SW846 8270B
Phenanthrene	ND	10	ug/L	SW846 8270B
Anthracene	ND	10	ug/L	SW846 8270B
Carbazole	ND	10	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270B
Fluoranthene	ND	10	ug/L	SW846 8270B
Pyrene	ND	10	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270B
Benzo(a)anthracene	ND	10	ug/L	SW846 8270B
Chrysene	ND	10	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270B
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270B
Benzo(a)pyrene	ND	10	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(11 - 121)
Phenol-d5	83	(19 - 125)
Nitrobenzene-d5	91	(49 - 124)
2-Fluorobiphenyl	78	(46 - 120)
2,4,6-Tribromophenol	69	(36 - 144)
Terphenyl-d14	100	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE87P102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-203 CE87P103-LCSD
Prep Date.....: 11/25/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7329203
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**83**	**(25 - 117)**			**SW846 8270B**
	83	**(25 - 117)**	**0.80**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**83**	**(34 - 114)**			**SW846 8270B**
	84	**(34 - 114)**	**1.4**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(28 - 104)**			**SW846 8270B**
	71	**(28 - 104)**	**1.7**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**80**	**(23 - 113)**			**SW846 8270B**
	76	**(23 - 113)**	**5.1**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**71**	**(38 - 110)**			**SW846 8270B**
	72	**(38 - 110)**	**1.7**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**82**	**(40 - 122)**			**SW846 8270B**
	80	**(40 - 122)**	**1.5**	**(0-42)**	**SW846 8270B**
Acenaphthene	**84**	**(48 - 112)**			**SW846 8270B**
	84	**(48 - 112)**	**0.23**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**65**	**(15 - 141)**			**SW846 8270B**
	65	**(15 - 141)**	**1.4**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**83**	**(52 - 118)**			**SW846 8270B**
	84	**(52 - 118)**	**0.71**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**61**	**(25 - 165)**			**SW846 8270B**
	58	**(25 - 165)**	**5.2**	**(0-50)**	**SW846 8270B**
Pyrene	**97**	**(42 - 152)**			**SW846 8270B**
	98	**(42 - 152)**	**1.2**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(11 - 121)
	79	(11 - 121)
Phenol-d5	82	(19 - 125)
	81	(19 - 125)
Nitrobenzene-d5	83	(49 - 124)
	81	(49 - 124)
2-Fluorobiphenyl	80	(46 - 120)
	78	(46 - 120)
2,4,6-Tribromophenol	70	(36 - 144)
	67	(36 - 144)
Terphenyl-d14	95	(22 - 152)
	94	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE9KL102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K270000-104 CE9KL103-LCSD
Prep Date.....: 11/27/97 **Analysis Date..:** 12/21/97
Prep Batch #...: 7331104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**87**	**(25 - 117)**			**SW846 8270B**
	87	**(25 - 117)**	**0.090**	**(0-42)**	**SW846 8270B**
2-Chlorophenol	**84**	**(34 - 114)**			**SW846 8270B**
	85	**(34 - 114)**	**2.2**	**(0-40)**	**SW846 8270B**
1,4-Dichlorobenzene	**74**	**(28 - 104)**			**SW846 8270B**
	72	**(28 - 104)**	**2.2**	**(0-28)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**63**	**(23 - 113)**			**SW846 8270B**
	64	**(23 - 113)**	**1.7**	**(0-38)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**77**	**(38 - 110)**			**SW846 8270B**
	78	**(38 - 110)**	**1.5**	**(0-28)**	**SW846 8270B**
4-Chloro-3-methylphenol	**77**	**(40 - 122)**			**SW846 8270B**
	80	**(40 - 122)**	**3.0**	**(0-42)**	**SW846 8270B**
Acenaphthene	**82**	**(48 - 112)**			**SW846 8270B**
	84	**(48 - 112)**	**2.7**	**(0-31)**	**SW846 8270B**
4-Nitrophenol	**104**	**(15 - 141)**			**SW846 8270B**
	105	**(15 - 141)**	**1.1**	**(0-50)**	**SW846 8270B**
2,4-Dinitrotoluene	**92**	**(52 - 118)**			**SW846 8270B**
	97	**(52 - 118)**	**4.8**	**(0-38)**	**SW846 8270B**
Pentachlorophenol	**83**	**(25 - 165)**			**SW846 8270B**
	88	**(25 - 165)**	**6.1**	**(0-50)**	**SW846 8270B**
Pyrene	**94**	**(42 - 152)**			**SW846 8270B**
	107	**(42 - 152)**	**12**	**(0-31)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(11 - 121)
	78	(11 - 121)
Phenol-d5	88	(19 - 125)
	86	(19 - 125)
Nitrobenzene-d5	94	(49 - 124)
	92	(49 - 124)
2-Fluorobiphenyl	86	(46 - 120)
	83	(46 - 120)
2,4,6-Tribromophenol	74	(36 - 144)
	79	(36 - 144)
Terphenyl-d14	99	(22 - 152)
	109	(22 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

GC Semivolatiles

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/17/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 133)
Decachlorobiphenyl	47	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

GC Semivolatiles

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	758 *	(30 - 133)
Decachlorobiphenyl	82	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

GC Semivolatiles

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/18/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	1,550 *	(30 - 133)
Decachlorobiphenyl	80	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

GC Semivolatiles

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J2103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/25/97 **Analysis Date..:** 12/10/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 133)
Decachlorobiphenyl	84	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

GC Semivolatiles

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	40	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

GC Semivolatiles

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	49	(30 - 133)
Decachlorobiphenyl	45	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

GC Semivolatiles

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE760103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	38	(30 - 133)
Decachlorobiphenyl	72	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

GC Semivolatiles

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761103 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	34	(30 - 133)
Decachlorobiphenyl	41	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

GC Semivolatiles

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	47	(30 - 133)
Decachlorobiphenyl	48	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

GC Semivolatiles

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	41	(30 - 133)
Decachlorobiphenyl	71	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

GC Semivolatiles

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE764103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	40	(30 - 133)
Decachlorobiphenyl	64	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

GC Semivolatiles

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE765103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	39	(30 - 133)
Decachlorobiphenyl	62	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

GC Semivolatiles

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE766103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/22/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(30 - 133)
Decachlorobiphenyl	49	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

GC Semivolatiles

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC103 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(30 - 133)
Decachlorobiphenyl	79	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

GC Semivolatiles

Lot-Sample #...: H7K260165-002 **Work Order #...:** CE9HD103 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(30 - 133)
Decachlorobiphenyl	54	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

GC Semivolatiles

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE103 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	40	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

GC Semivolatiles

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	123	(30 - 133)
Decachlorobiphenyl	63	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

GC Semivolatiles

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG103 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(30 - 133)
Decachlorobiphenyl	56	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE836101 **Matrix.....:** WATER
MB Lot-Sample #: H7K250000-154

Prep Date.....: 11/25/97
Analysis Date..: 12/09/97 **Prep Batch #...:** 7329154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 133)
Decachlorobiphenyl	80	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE8T7101 **Matrix.....:** WATER
MB Lot-Sample #: H7K260000-131

Prep Date.....: 11/26/97
Analysis Date..: 12/19/97 **Prep Batch #...:** 7330131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	34	(30 - 133)
Decachlorobiphenyl	72	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE9KM101 **Matrix.....:** WATER
MB Lot-Sample #: H7K270000-105

Prep Date.....: 11/27/97
Analysis Date..: 12/19/97 **Prep Batch #...:** 7331105
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8081
Aroclor 1221	ND	1.0	ug/L	SW846 8081
Aroclor 1232	ND	1.0	ug/L	SW846 8081
Aroclor 1242	ND	1.0	ug/L	SW846 8081
Aroclor 1248	ND	1.0	ug/L	SW846 8081
Aroclor 1254	ND	1.0	ug/L	SW846 8081
Aroclor 1260	ND	1.0	ug/L	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(30 - 133)
Decachlorobiphenyl	77	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE836102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K250000-154
Prep Date.....: 11/25/97 **Analysis Date..:** 12/09/97
Prep Batch #...: 7329154
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**85**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	97	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE8T7102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K260000-131 CE8T7103-LCSD
Prep Date.....: 11/26/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7330131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**60 a**	**(70 - 158)**			**SW846 8081**
	73	**(70 - 158)**	**20**	**(0-25)**	**SW846 8081**
Aroclor 1260	**71**	**(70 - 158)**			**SW846 8081**
	81	**(70 - 158)**	**14**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	39	(30 - 133)
	44	(30 - 133)
Decachlorobiphenyl	72	(30 - 139)
	53	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB014 **Work Order #...:** CE9KM102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K270000-105 CE9KM103-LCSD
Prep Date.....: 11/27/97 **Analysis Date..:** 12/19/97
Prep Batch #...: 7331105
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**119**	**(70 - 158)**			**SW846 8081**
	97	**(70 - 158)**	**21**	**(0-25)**	**SW846 8081**
Aroclor 1260	**109**	**(70 - 158)**			**SW846 8081**
	105	**(70 - 158)**	**3.6**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	142 *	(30 - 133)
	98	(30 - 133)
Decachlorobiphenyl	94	(30 - 139)
	94	(30 - 139)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

HPLC

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX10W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND G	0.31	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	118	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

HPLC

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J010W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	144	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

HPLC

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J110W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND G	0.22	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	**0.34**	**0.20**	**ug/L**	**SW846 8330**
2-Nitrotoluene	ND G	0.31	ug/L	SW846 8330
3-Nitrotoluene	ND G	2.2	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	108	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

HPLC

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J210W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

HPLC

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W10W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND G	0.27	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND G	0.23	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	108	(50 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

HPLC

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X10W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

HPLC

Lot-Sample #...: H7K220146-003 **Work Order #...:** CE76010W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

HPLC

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE76110W **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

HPLC

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE76210W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	**3.6**	**2.0**	**ug/L**	**SW846 8330**
1,3-Dinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
HMX	ND	5.0	ug/L	SW846 8330
Nitrobenzene	ND	2.0	ug/L	SW846 8330
2-Nitrotoluene	ND	2.0	ug/L	SW846 8330
3-Nitrotoluene	ND G	2.6	ug/L	SW846 8330
RDX	ND	5.0	ug/L	SW846 8330
Tetryl	ND	2.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	2.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	2.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

HPLC

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE76310W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

HPLC

Lot-Sample #...: H7K220146-007 **Work Order #...:** CE76410V **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

HPLC

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE76510W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

HPLC

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE76610W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	4.0	ug/L	SW846 8330
1,3-Dinitrobenzene	**17**	**4.0**	**ug/L**	**SW846 8330**
2,4-Dinitrotoluene	**47**	**4.0**	**ug/L**	**SW846 8330**
2,6-Dinitrotoluene	**7.8**	**4.0**	**ug/L**	**SW846 8330**
HMX	ND	10	ug/L	SW846 8330
Nitrobenzene	ND	4.0	ug/L	SW846 8330
2-Nitrotoluene	ND	4.0	ug/L	SW846 8330
3-Nitrotoluene	ND	4.0	ug/L	SW846 8330
RDX	ND	10	ug/L	SW846 8330
Tetryl	ND	4.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	**14**	**4.0**	**ug/L**	**SW846 8330**
2,4,6-Trinitrotoluene	ND	4.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

HPLC

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC10W **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/16/97
Prep Batch #...: 7335242
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8330
HMX	ND	2.5	ug/L	SW846 8330
Nitrobenzene	ND	1.0	ug/L	SW846 8330
2-Nitrotoluene	ND	1.0	ug/L	SW846 8330
3-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	2.5	ug/L	SW846 8330
Tetryl	ND	1.0	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	1.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	147	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

HPLC

Lot-Sample #...: H7K260165-002 **Work Order #...:** CE9HD10W **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7335242
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	SW846 8330
1,3-Dinitrobenzene	ND G	7.4	ug/L	SW846 8330
2,4-Dinitrotoluene	ND G	5.5	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	2.0	ug/L	SW846 8330
HMX	ND	5.0	ug/L	SW846 8330
Nitrobenzene	ND	2.0	ug/L	SW846 8330
2-Nitrotoluene	ND	2.0	ug/L	SW846 8330
3-Nitrotoluene	ND	2.0	ug/L	SW846 8330
RDX	ND	5.0	ug/L	SW846 8330
Tetryl	ND G	4.6	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND G	6.8	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	2.0	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(50 - 150)

NOTE(S):

NC The recovery and RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

HPLC

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE10W **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97
Prep Date.....: 12/01/97 **Analysis Date..:** 12/16/97
Prep Batch #...: 7335242
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	91	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

HPLC

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF10W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/28/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7332136
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

HPLC

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG10W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97
Prep Date.....: 11/28/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7332136
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	112	(50 - 150)

METHOD BLANK REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CEAD2101 **Matrix.....:** WATER
MB Lot-Sample #: H7L010000-242

Prep Date.....: 12/01/97
Analysis Date..: 12/11/97 **Prep Batch #...:** 7335242
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CEA0A101 **Matrix.....:** WATER
MB Lot-Sample #: H7K280000-136

Prep Date.....: 11/28/97
Analysis Date..: 12/04/97 **Prep Batch #...:** 7332136
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CE8VP101 **Matrix.....:** WATER
MB Lot-Sample #: H7K260000-150

Prep Date.....: 11/26/97
Analysis Date..: 12/03/97 **Prep Batch #...:** 7330150
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CE9KN101 **Matrix.....:** WATER
MB Lot-Sample #: H7K270000-106

Prep Date.....: 11/27/97
Analysis Date..: 12/02/97 **Prep Batch #...:** 7331106
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CE75312C-MS **Matrix.....:** WATER
MS Lot-Sample #: H7K220143-008 CE75312D-MSD
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97
Prep Date.....: 11/26/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	86	(71 - 141)			SW846 8330
	88	(71 - 141)	2.4	(0-25)	SW846 8330
RDX	126	(59 - 138)			SW846 8330
	106	(59 - 138)	17	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	106	(79 - 126)			SW846 8330
	107	(79 - 126)	1.7	(0-25)	SW846 8330
1,3-Dinitrobenzene	120	(76 - 124)			SW846 8330
	116	(76 - 124)	3.2	(0-25)	SW846 8330
Tetryl	92	(61 - 157)			SW846 8330
	83	(61 - 157)	10	(0-25)	SW846 8330
Nitrobenzene	108	(62 - 136)			SW846 8330
	107	(62 - 136)	0.78	(0-25)	SW846 8330
2,4,6-Trinitrotoluene	106	(67 - 130)			SW846 8330
	100	(67 - 130)	6.3	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluen	103	(67 - 130)			SW846 8330
	95	(67 - 130)	8.2	(0-25)	SW846 8330
2,6-Dinitrotoluene	145	(59 - 148)			SW846 8330
	142	(59 - 148)	2.1	(0-25)	SW846 8330
2,4-Dinitrotoluene	141 a	(75 - 132)			SW846 8330
	137 a	(75 - 132)	2.9	(0-25)	SW846 8330
2-Nitrotoluene	97	(53 - 149)			SW846 8330
	95	(53 - 149)	2.3	(0-25)	SW846 8330
3-Nitrotoluene	105	(54 - 127)			SW846 8330
	110	(54 - 127)	4.2	(0-25)	SW846 8330
2-Amino-4,6-dinitrotoluen	108	(67 - 130)			SW846 8330
	103	(67 - 130)	4.6	(0-25)	SW846 8330
4-Nitrotoluene	101	(54 - 127)			SW846 8330
	103	(54 - 127)	2.6	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	112	(50 - 150)
	115	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CEAD2102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7L010000-242 CEAD2103-LCSD
Prep Date.....: 12/01/97 **Analysis Date..:** 12/11/97
Prep Batch #...: 7335242
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	85	(71 - 141)			SW846 8330
	82	(71 - 141)	3.8	(0-25)	SW846 8330
RDX	116	(59 - 138)			SW846 8330
	113	(59 - 138)	3.0	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	110	(79 - 126)			SW846 8330
	105	(79 - 126)	4.0	(0-25)	SW846 8330
1,3-Dinitrobenzene	110	(76 - 124)			SW846 8330
	106	(76 - 124)	3.8	(0-25)	SW846 8330
Tetryl	88	(61 - 157)			SW846 8330
	85	(61 - 157)	3.9	(0-25)	SW846 8330
Nitrobenzene	109	(62 - 136)			SW846 8330
	103	(62 - 136)	5.2	(0-25)	SW846 8330
2,4,6-Trinitrotoluene	94	(67 - 130)			SW846 8330
	89	(67 - 130)	4.6	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	94	(67 - 130)			SW846 8330
	89	(67 - 130)	5.0	(0-25)	SW846 8330
2,6-Dinitrotoluene	104	(59 - 148)			SW846 8330
	100	(59 - 148)	3.2	(0-25)	SW846 8330
2,4-Dinitrotoluene	105	(75 - 132)			SW846 8330
	101	(75 - 132)	4.2	(0-25)	SW846 8330
2-Nitrotoluene	96	(53 - 149)			SW846 8330
	94	(53 - 149)	2.6	(0-25)	SW846 8330
3-Nitrotoluene	97	(54 - 127)			SW846 8330
	93	(54 - 127)	5.2	(0-25)	SW846 8330
2-Amino-4,6-dinitrotoluene	100	(67 - 130)			SW846 8330
	97	(67 - 130)	3.4	(0-25)	SW846 8330
4-Nitrotoluene	101	(54 - 127)			SW846 8330
	98	(54 - 127)	3.9	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(50 - 150)
	96	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CEA0A102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K280000-136 CEA0A103-LCSD
Prep Date.....: 11/28/97 **Analysis Date..:** 12/04/97
Prep Batch #...: 7332136
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	93	(71 - 141)			SW846 8330
	97	(71 - 141)	4.2	(0-25)	SW846 8330
RDX	120	(59 - 138)			SW846 8330
	123	(59 - 138)	1.8	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	118	(79 - 126)			SW846 8330
	121	(79 - 126)	2.6	(0-25)	SW846 8330
1,3-Dinitrobenzene	118	(76 - 124)			SW846 8330
	120	(76 - 124)	1.4	(0-25)	SW846 8330
Tetryl	95	(61 - 157)			SW846 8330
	102	(61 - 157)	7.2	(0-25)	SW846 8330
Nitrobenzene	111	(62 - 136)			SW846 8330
	114	(62 - 136)	2.8	(0-25)	SW846 8330
2,4,6-Trinitrotoluene	102	(67 - 130)			SW846 8330
	107	(67 - 130)	4.5	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	105	(67 - 130)			SW846 8330
	107	(67 - 130)	2.1	(0-25)	SW846 8330
2,6-Dinitrotoluene	111	(59 - 148)			SW846 8330
	116	(59 - 148)	3.9	(0-25)	SW846 8330
2,4-Dinitrotoluene	115	(75 - 132)			SW846 8330
	119	(75 - 132)	3.2	(0-25)	SW846 8330
2-Nitrotoluene	102	(53 - 149)			SW846 8330
	106	(53 - 149)	3.7	(0-25)	SW846 8330
3-Nitrotoluene	106	(54 - 127)			SW846 8330
	109	(54 - 127)	3.2	(0-25)	SW846 8330
2-Amino-4,6-dinitrotoluene	113	(67 - 130)			SW846 8330
	115	(67 - 130)	1.8	(0-25)	SW846 8330
4-Nitrotoluene	111	(54 - 127)			SW846 8330
	117	(54 - 127)	5.2	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	110	(50 - 150)
	126	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CE9KN102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H7K270000-106 CE9KN103-LCSD
Prep Date.....: 11/27/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7331106
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	86	(71 - 141)			SW846 8330
	85	(71 - 141)	1.5	(0-25)	SW846 8330
RDX	119	(59 - 138)			SW846 8330
	117	(59 - 138)	2.1	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	112	(79 - 126)			SW846 8330
	110	(79 - 126)	2.1	(0-25)	SW846 8330
1,3-Dinitrobenzene	113	(76 - 124)			SW846 8330
	111	(76 - 124)	1.8	(0-25)	SW846 8330
Tetryl	88	(61 - 157)			SW846 8330
	87	(61 - 157)	0.17	(0-25)	SW846 8330
Nitrobenzene	110	(62 - 136)			SW846 8330
	109	(62 - 136)	0.95	(0-25)	SW846 8330
2,4,6-Trinitrotoluene	94	(67 - 130)			SW846 8330
	95	(67 - 130)	0.31	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	99	(67 - 130)			SW846 8330
	97	(67 - 130)	2.0	(0-25)	SW846 8330
2,6-Dinitrotoluene	105	(59 - 148)			SW846 8330
	104	(59 - 148)	0.86	(0-25)	SW846 8330
2,4-Dinitrotoluene	107	(75 - 132)			SW846 8330
	105	(75 - 132)	1.8	(0-25)	SW846 8330
2-Nitrotoluene	101	(53 - 149)			SW846 8330
	99	(53 - 149)	1.8	(0-25)	SW846 8330
3-Nitrotoluene	101	(54 - 127)			SW846 8330
	99	(54 - 127)	2.0	(0-25)	SW846 8330
2-Amino-4,6-dinitrotoluene	106	(67 - 130)			SW846 8330
	104	(67 - 130)	2.0	(0-25)	SW846 8330
4-Nitrotoluene	107	(54 - 127)			SW846 8330
	104	(54 - 127)	2.8	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	108	(50 - 150)
	103	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB014 **Work Order #...:** CE8VP102 **Matrix.....:** WATER
LCS Lot-Sample#: H7K260000-150
Prep Date.....: 11/26/97 **Analysis Date..:** 12/03/97
Prep Batch #...: 7330150
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**76**	**(71 - 141)**	**SW846 8330**
RDX	**98**	**(59 - 138)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(79 - 126)**	**SW846 8330**
1,3-Dinitrobenzene	**102**	**(76 - 124)**	**SW846 8330**
Tetryl	**83**	**(61 - 157)**	**SW846 8330**
Nitrobenzene	**93**	**(62 - 136)**	**SW846 8330**
2,4,6-Trinitrotoluene	**91**	**(67 - 130)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**92**	**(67 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**101**	**(59 - 148)**	**SW846 8330**
2,4-Dinitrotoluene	**102**	**(75 - 132)**	**SW846 8330**
2-Nitrotoluene	**90**	**(53 - 149)**	**SW846 8330**
3-Nitrotoluene	**89**	**(54 - 127)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**97**	**(67 - 130)**	**SW846 8330**
4-Nitrotoluene	**97**	**(54 - 127)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

TOTAL Metals

Lot-Sample #...: H7K210209-001 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6HX10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**1060**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HX104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HX10P
		Dilution Factor: 1				
Lead	**6.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE6HX10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX105
		Dilution Factor: 1				
Barium	**220**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HX106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HX10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6HX10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX108
		Dilution Factor: 1				
Calcium	**186000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6HX109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

TOTAL Metals

Lot-Sample #...: H7K210209-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	5240	100	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10E
		Dilution Factor: 1				
Magnesium	56900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10F
		Dilution Factor: 1				
Manganese	522	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10H
		Dilution Factor: 1				
Potassium	29100	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10K
		Dilution Factor: 1				
Sodium	99100	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10M
		Dilution Factor: 1				
Zinc	55.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6HX10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460F

DISSOLVED Metals

Lot-Sample #...: H7K210209-005 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J310Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J3101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J310L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J310M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3102
		Dilution Factor: 1				
Barium	**212**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J3103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J310N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J310P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3105
		Dilution Factor: 1				
Calcium	**88600**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J3106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J3109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5460F

DISSOLVED Metals

Lot-Sample #...: H7K210209-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**106**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310A**
		Dilution Factor: 1				
Magnesium	**54800**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310C**
		Dilution Factor: 1				
Manganese	**351**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J310E
		Dilution Factor: 1				
Potassium	**30000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J310G
		Dilution Factor: 1				
Sodium	**104000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J310J
		Dilution Factor: 1				
Zinc	**66.2**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J310K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

TOTAL Metals

Lot-Sample #...: H7K210209-002 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J010U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**249**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J0104**
		Dilution Factor: 1				
Arsenic	ND	50.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J010P
		Dilution Factor: 5				
Lead	ND	15.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J010Q
		Dilution Factor: 5				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J0105
		Dilution Factor: 1				
Barium	**424**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J0106**
		Dilution Factor: 1				
Selenium	ND	25.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J010R
		Dilution Factor: 5				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J0107
		Dilution Factor: 1				
Thallium	ND	50.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J010T
		Dilution Factor: 5				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J0108
		Dilution Factor: 1				
Calcium	**336000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J0109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

TOTAL Metals

Lot-Sample #...: H7K210209-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	6400	100	ug/L	SW846 6010A	12/16-12/18/97	CE6J010E
		Dilution Factor: 1				
Magnesium	235000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J010F
		Dilution Factor: 1				
Manganese	849	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010H
		Dilution Factor: 1				
Potassium	58800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J010J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010K
		Dilution Factor: 1				
Sodium	1140000	50000	ug/L	SW846 6010A	12/16-12/18/97	CE6J010L
		Dilution Factor: 10				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010M
		Dilution Factor: 1				
Zinc	34.4	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J010N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440F

DISSOLVED Metals

Lot-Sample #...: H7K210209-006 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J410Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J4101
		Dilution Factor: 1				
Arsenic	ND	50.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J410L
		Dilution Factor: 5				
Lead	ND	15.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J410M
		Dilution Factor: 5				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4102
		Dilution Factor: 1				
Barium	**449**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J4103**
		Dilution Factor: 1				
Selenium	ND	25.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J410N
		Dilution Factor: 5				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4104
		Dilution Factor: 1				
Thallium	ND	50.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J410P
		Dilution Factor: 5				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4105
		Dilution Factor: 1				
Calcium	**358000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J4106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J4109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5440F

DISSOLVED Metals

Lot-Sample #...: H7K210209-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	298	100	ug/L	SW846 6010A	12/16-12/18/97	CE6J410A
		Dilution Factor: 1				
Magnesium	254000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J410C
		Dilution Factor: 1				
Manganese	899	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J410D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J410E
		Dilution Factor: 1				
Potassium	63500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J410F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J410G
		Dilution Factor: 1				
Sodium	1190000	100000	ug/L	SW846 6010A	12/16-12/18/97	CE6J410H
		Dilution Factor: 20				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J410J
		Dilution Factor: 1				
Zinc	24.8	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J410K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

TOTAL Metals

Lot-Sample #...: H7K210209-003 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J110U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**396**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J1104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J110P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J110Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J1105
		Dilution Factor: 1				
Barium	**948**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J1106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J110R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J1107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J110T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J1108
		Dilution Factor: 1				
Calcium	**318000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J1109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

TOTAL Metals

Lot-Sample #...: H7K210209-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1580	100	ug/L	SW846 6010A	12/16-12/18/97	CE6J110E
		Dilution Factor: 1				
Magnesium	187000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J110F
		Dilution Factor: 1				
Manganese	124	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110H
		Dilution Factor: 1				
Potassium	38500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J110J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110K
		Dilution Factor: 1				
Sodium	355000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J110L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110M
		Dilution Factor: 1				
Zinc	49.9	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J110N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930F

DISSOLVED Metals

Lot-Sample #...: H7K210209-007 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J510Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J5101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J510L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J510M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5102
		Dilution Factor: 1				
Barium	**1100**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J5103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J510N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J510P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5105
		Dilution Factor: 1				
Calcium	**263000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J5106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J5109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5930F

DISSOLVED Metals

Lot-Sample #...: H7K210209-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE6J510A
		Dilution Factor: 1				
Magnesium	**213000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J510C**
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J510D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J510E
		Dilution Factor: 1				
Potassium	**45400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J510F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J510G
		Dilution Factor: 1				
Sodium	**419000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J510H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J510J
		Dilution Factor: 1				
Zinc	**33.3**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J510K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

TOTAL Metals

Lot-Sample #...: H7K210209-004 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J210U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**451**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J2104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J210P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J210Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J2105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J2106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J210R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J2107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J210T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J2108
		Dilution Factor: 1				
Calcium	**101000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J2109**
		Dilution Factor: 1				
Chromium	**11.9**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J210A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

TOTAL Metals

Lot-Sample #...: H7K210209-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**3750**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J210E**
		Dilution Factor: 1				
Magnesium	**23000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J210F**
		Dilution Factor: 1				
Manganese	**475**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J210G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J210J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210K
		Dilution Factor: 1				
Sodium	**9230**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J210L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J210N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870F

DISSOLVED Metals

Lot-Sample #...: H7K210209-008 Matrix.....: WATER
Date Sampled...: 11/20/97 Date Received..: 11/21/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE6J610Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J6101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J610L
		Dilution Factor: 1				
Lead	**3.2**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE6J610M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE6J6103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J610N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE6J610P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6105
		Dilution Factor: 1				
Calcium	**111000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE6J6106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J6109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5870F

DISSOLVED Metals

Lot-Sample #...: H7K210209-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1130	100	ug/L	SW846 6010A	12/16-12/18/97	CE6J610A
		Dilution Factor: 1				
Magnesium	24900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J610C
		Dilution Factor: 1				
Manganese	507	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J610D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J610E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J610F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J610G
		Dilution Factor: 1				
Sodium	9590	5000	ug/L	SW846 6010A	12/16-12/18/97	CE6J610H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J610J
		Dilution Factor: 1				
Zinc	23.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE6J610K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

TOTAL Metals

Lot-Sample #...: H7K220146-001 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE75W10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**287**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75W104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE75W10P
		Dilution Factor: 1				
Lead	**19.1**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE75W10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W105
		Dilution Factor: 1				
Barium	**405**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75W106**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE75W10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE75W10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W108
		Dilution Factor: 1				
Calcium	**131000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75W109**
		Dilution Factor: 1				
Chromium	**11.1**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75W10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

TOTAL Metals

Lot-Sample #...: H7K220146-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	8000	100	ug/L	SW846 6010A	12/16-12/18/97	CE75W10E
		Dilution Factor: 1				
Magnesium	54000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE75W10F
		Dilution Factor: 1				
Manganese	198	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10H
		Dilution Factor: 1				
Potassium	9210	5000	ug/L	SW846 6010A	12/16-12/18/97	CE75W10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10K
		Dilution Factor: 1				
Sodium	42000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE75W10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10M
		Dilution Factor: 1				
Zinc	69.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE75W10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970F

DISSOLVED Metals

Lot-Sample #...: H7K220146-011 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76810Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE768101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76810L
		Dilution Factor: 1				
Lead	**3.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76810M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE768102
		Dilution Factor: 1				
Barium	**397**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE768103**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76810N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE768104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76810P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE768105
		Dilution Factor: 1				
Calcium	**128000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE768106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE768107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE768108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE768109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5970F

DISSOLVED Metals

Lot-Sample #...: H7K220146-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	169	100	ug/L	SW846 6010A	12/16-12/18/97	CE76810A
		Dilution Factor: 1				
Magnesium	54200	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76810C
		Dilution Factor: 1				
Manganese	144	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76810D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76810E
		Dilution Factor: 1				
Potassium	9180	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76810F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76810G
		Dilution Factor: 1				
Sodium	42800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76810H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76810J
		Dilution Factor: 1				
Zinc	22.3	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76810K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

TOTAL Metals

Lot-Sample #...: H7K220146-002 Matrix.....: WATER
Date Sampled...: 11/20/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE75X10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**2390**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X104**
		Dilution Factor: 1				
Arsenic	**40.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE75X10P**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE75X10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE75X106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE75X10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE75X10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X108
		Dilution Factor: 1				
Calcium	**70700**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

TOTAL Metals

Lot-Sample #...: H7K220146-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**26300**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X10E**
		Dilution Factor: 1				
Magnesium	**20000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X10F**
		Dilution Factor: 1				
Manganese	**493**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X10G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE75X10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10K
		Dilution Factor: 1				
Sodium	**5510**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X10L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE75X10M
		Dilution Factor: 1				
Zinc	**40.0**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE75X10N**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880F

DISSOLVED Metals

Lot-Sample #...: H7K220146-012 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76910Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE769101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76910L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76910M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE769102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE769103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76910N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE769104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76910P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE769105
		Dilution Factor: 1				
Calcium	**64100**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE769106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE769107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE769108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE769109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5880F

DISSOLVED Metals

Lot-Sample #...: H7K220146-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**892**	**100**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76910A**
		Dilution Factor: 1				
Magnesium	**17800**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76910C**
		Dilution Factor: 1				
Manganese	**369**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76910D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76910E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76910F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76910G
		Dilution Factor: 1				
Sodium	**5100**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76910H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76910J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76910K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

TOTAL Metals

Lot-Sample #...: H7K220146-003 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76010U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE760104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76010P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76010Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE760105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE760106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76010R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE760107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76010T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE760108
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE760109
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5851

TOTAL Metals

Lot-Sample #...: H7K220146-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE76010E
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76010F
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76010J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010K
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76010L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76010N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5851F

DISSOLVED Metals

Lot-Sample #...: H7K220146-013 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76A10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76A101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76A10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76A10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76A103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76A10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76A10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A105
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76A106
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5851F

DISSOLVED Metals

Lot-Sample #...: H7K220146-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE76A10A
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76A10C
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76A10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A10G
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76A10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76A10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

TOTAL Metals

Lot-Sample #...: H7K220146-004 Matrix.....: WATER
Date Sampled...: 11/20/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76110U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**9410**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE761104**
		Dilution Factor: 1				
Arsenic	**36.3**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76110P**
		Dilution Factor: 1				
Lead	**17.7**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76110Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE761105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE761106
		Dilution Factor: 1				
Selenium	**20.4**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76110R**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE761107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76110T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE761108
		Dilution Factor: 1				
Calcium	**75500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE761109**
		Dilution Factor: 1				
Chromium	**44.9**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76110A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110C
		Dilution Factor: 1				
Copper	**48.0**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76110D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

TOTAL Metals

Lot-Sample #...: H7K220146-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	76600	100	ug/L	SW846 6010A	12/16-12/18/97	CE76110E
		Dilution Factor: 1				
Magnesium	31500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76110F
		Dilution Factor: 1				
Manganese	432	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110G
		Dilution Factor: 1				
Nickel	71.8	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76110J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110K
		Dilution Factor: 1				
Sodium	8350	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76110L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110M
		Dilution Factor: 1				
Zinc	116	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76110N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850F

DISSOLVED Metals

Lot-Sample #...: H7K220146-015 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76D10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76D101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76D10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76D10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76D103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76D10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76D10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D105
		Dilution Factor: 1				
Calcium	**75400**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76D106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5850F

DISSOLVED Metals

Lot-Sample #...: H7K220146-015 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	4350	100	ug/L	SW846 6010A	12/16-12/18/97	CE76D10A
		Dilution Factor: 1				
Magnesium	30000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76D10C
		Dilution Factor: 1				
Manganese	350	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76D10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D10G
		Dilution Factor: 1				
Sodium	8550	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76D10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D10J
		Dilution Factor: 1				
Zinc	22.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76D10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

TOTAL Metals

Lot-Sample #...: H7K220146-005 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76210U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**1830**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE762104**
		Dilution Factor: 1				
Arsenic	**12.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76210P**
		Dilution Factor: 1				
Lead	**4.4**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76210Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE762105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE762106
		Dilution Factor: 1				
Selenium	**5.1**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76210R**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE762107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76210T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE762108
		Dilution Factor: 1				
Calcium	**127000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE762109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210A
		Dilution Factor: 1				
Cobalt	**78.8**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76210C**
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

TOTAL Metals

Lot-Sample #...: H7K220146-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	44300	100	ug/L	SW846 6010A	12/16-12/18/97	CE76210E
		Dilution Factor: 1				
Magnesium	29900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76210F
		Dilution Factor: 1				
Manganese	1410	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210G
		Dilution Factor: 1				
Nickel	156	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76210J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210K
		Dilution Factor: 1				
Sodium	6090	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76210L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210M
		Dilution Factor: 1				
Zinc	137	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76210N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790F

DISSOLVED Metals

Lot-Sample #...: H7K220146-014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	**0.30**	**0.20**	**ug/L**	**SW846 7470A**	**12/10-12/11/97**	**CE76C10Q**
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76C101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76C10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76C10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76C103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76C10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76C10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C105
		Dilution Factor: 1				
Calcium	**114000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76C106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C107
		Dilution Factor: 1				
Cobalt	**72.9**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76C108**
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C109
		Dilution Factor: 1				

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790F

DISSOLVED Metals

Lot-Sample #...: H7K220146-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	34100	100	ug/L	SW846 6010A	12/16-12/18/97	CE76C10A
		Dilution Factor: 1				
Magnesium	26300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76C10C
		Dilution Factor: 1				
Manganese	1260	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C10D
		Dilution Factor: 1				
Nickel	140	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76C10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C10G
		Dilution Factor: 1				
Sodium	5170	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76C10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C10J
		Dilution Factor: 1				
Zinc	87.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76C10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

TOTAL Metals

Lot-Sample #...: H7K220146-006 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76310U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**4990**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE763104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76310P
		Dilution Factor: 1				
Lead	**8.0**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76310Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE763105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE763106
		Dilution Factor: 1				
Selenium	**5.0**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76310R**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE763107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76310T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE763108
		Dilution Factor: 1				
Calcium	**146000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE763109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

TOTAL Metals

Lot-Sample #...: H7K220146-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19800	100	ug/L	SW846 6010A	12/16-12/18/97	CE76310E
		Dilution Factor: 1				
Magnesium	53800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76310F
		Dilution Factor: 1				
Manganese	6970	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310G
		Dilution Factor: 1				
Nickel	61.8	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310H
		Dilution Factor: 1				
Potassium	5460	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76310J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310K
		Dilution Factor: 1				
Sodium	6560	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76310L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310M
		Dilution Factor: 1				
Zinc	75.5	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76310N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780F

DISSOLVED Metals

Lot-Sample #...: H7K220146-016 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76E10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	**1080**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76E101**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76E10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76E10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76E103
		Dilution Factor: 1				
Selenium	**5.0**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76E10N**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76E10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E105
		Dilution Factor: 1				
Calcium	**147000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76E106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5780F

DISSOLVED Metals

Lot-Sample #...: H7K220146-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2410	100	ug/L	SW846 6010A	12/16-12/18/97	CE76E10A
		Dilution Factor: 1				
Magnesium	52300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76E10C
		Dilution Factor: 1				
Manganese	6900	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E10D
		Dilution Factor: 1				
Nickel	47.2	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76E10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E10G
		Dilution Factor: 1				
Sodium	6470	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76E10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E10J
		Dilution Factor: 1				
Zinc	54.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76E10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

TOTAL Metals

Lot-Sample #...: H7K220146-007 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76410U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**2710**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE764104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76410P
		Dilution Factor: 1				
Lead	**4.7**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76410Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE764105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE764106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76410R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE764107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76410T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE764108
		Dilution Factor: 1				
Calcium	**150000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE764109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

TOTAL Metals

Lot-Sample #...: H7K220146-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	5600	100	ug/L	SW846 6010A	12/16-12/18/97	CE76410E
		Dilution Factor: 1				
Magnesium	58100	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76410F
		Dilution Factor: 1				
Manganese	235	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76410J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410K
		Dilution Factor: 1				
Sodium	14300	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76410L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410M
		Dilution Factor: 1				
Zinc	32.5	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76410N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670F

DISSOLVED Metals

Lot-Sample #...: H7K220146-017 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76F10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76F101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76F10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76F10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76F103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76F10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76F10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F105
		Dilution Factor: 1				
Calcium	**136000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76F106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5670F

DISSOLVED Metals

Lot-Sample #...: H7K220146-017 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	150	100	ug/L	SW846 6010A	12/16-12/18/97	CE76F10A
		Dilution Factor: 1				
Magnesium	54600	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76F10C
		Dilution Factor: 1				
Manganese	163	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76F10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F10G
		Dilution Factor: 1				
Sodium	13800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76F10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76F10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

TOTAL Metals

Lot-Sample #...: H7K220146-008 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76510U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**3490**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE765104**
		Dilution Factor: 1				
Arsenic	**10.1**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76510P**
		Dilution Factor: 1				
Lead	**13.8**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76510Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE765105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE765106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76510R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE765107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76510T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE765108
		Dilution Factor: 1				
Calcium	**146000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE765109**
		Dilution Factor: 1				
Chromium	**18.4**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76510A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

TOTAL Metals

Lot-Sample #...: H7K220146-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13900	100	ug/L	SW846 6010A	12/16-12/18/97	CE76510E
		Dilution Factor: 1				
Magnesium	55900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76510F
		Dilution Factor: 1				
Manganese	713	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510H
		Dilution Factor: 1				
Potassium	15400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76510J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510K
		Dilution Factor: 1				
Sodium	161000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76510L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510M
		Dilution Factor: 1				
Zinc	53.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76510N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650F

DISSOLVED Metals

Lot-Sample #...: H7K220146-018 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76G10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76G101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76G10L
		Dilution Factor: 1				
Lead	**4.2**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE76G10M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76G103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76G10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76G10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G105
		Dilution Factor: 1				
Calcium	**138000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76G106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5650F

DISSOLVED Metals

Lot-Sample #...: H7K220146-018 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE76G10A
		Dilution Factor: 1				
Magnesium	**54600**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76G10C**
		Dilution Factor: 1				
Manganese	**522**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76G10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G10E
		Dilution Factor: 1				
Potassium	**14700**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76G10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G10G
		Dilution Factor: 1				
Sodium	**163000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76G10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G10J
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76G10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

TOTAL Metals

Lot-Sample #...: H7K220146-009 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76610U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE766104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76610P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76610Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE766105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE766106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76610R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE766107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76610T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE766108
		Dilution Factor: 1				
Calcium	**150000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE766109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610A
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610C
		Dilution Factor: 1				
Copper	**62.6**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76610D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

TOTAL Metals

Lot-Sample #...: H7K220146-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE76610E
		Dilution Factor: 1				
Magnesium	**70500**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76610F**
		Dilution Factor: 1				
Manganese	**896**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76610G**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610H
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76610J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610K
		Dilution Factor: 1				
Sodium	**250000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76610L**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610M
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE76610N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540F

DISSOLVED Metals

Lot-Sample #...: H7K220146-019 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE76H10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76H101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76H10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE76H10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H102
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE76H10N
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE76H103
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE76H10P
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H104
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H105
		Dilution Factor: 1				
Calcium	**147000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H108
		Dilution Factor: 1				
Copper	**41.6**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H109**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5540F

DISSOLVED Metals

Lot-Sample #...: H7K220146-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE76H10A
		Dilution Factor: 1				
Magnesium	**68000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H10C**
		Dilution Factor: 1				
Manganese	**877**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H10D**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H10E
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE76H10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H10G
		Dilution Factor: 1				
Sodium	**244000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H10H**
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE76H10J
		Dilution Factor: 1				
Zinc	**27.2**	**20.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE76H10K**
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

TOTAL Metals

Lot-Sample #...: H7K260165-001 Matrix.....: WATER
Date Sampled...: 11/24/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HC10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**502**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HC104**
		Dilution Factor: 1				
Arsenic	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HC10P
		Dilution Factor: 3				
Lead	ND	9.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HC10Q
		Dilution Factor: 3				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC105
		Dilution Factor: 1				
Barium	**463**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HC106**
		Dilution Factor: 1				
Selenium	ND	15.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HC10R
		Dilution Factor: 3				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC107
		Dilution Factor: 1				
Thallium	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HC10T
		Dilution Factor: 3				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC108
		Dilution Factor: 1				
Calcium	**875000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HC109**
		Dilution Factor: 10				
Chromium	**24.4**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HC10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

TOTAL Metals

Lot-Sample #...: H7K260165-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1140	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10E
		Dilution Factor: 1				
Magnesium	6190	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10F
		Dilution Factor: 1				
Manganese	133	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10H
		Dilution Factor: 1				
Potassium	26400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10K
		Dilution Factor: 1				
Sodium	73200	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10L
		Dilution Factor: 1				
Vanadium	64.7	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10M
		Dilution Factor: 1				
Zinc	30.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HC10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920F

DISSOLVED Metals

Lot-Sample #...: H7K260165-008 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HK10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HK101
		Dilution Factor: 1				
Arsenic	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HK10L
		Dilution Factor: 3				
Lead	ND	9.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HK10M
		Dilution Factor: 3				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK102
		Dilution Factor: 1				
Barium	**389**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HK103**
		Dilution Factor: 1				
Selenium	ND	15.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HK10N
		Dilution Factor: 3				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK104
		Dilution Factor: 1				
Thallium	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HK10P
		Dilution Factor: 3				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK105
		Dilution Factor: 1				
Calcium	**915000**	**15000**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HK106**
		Dilution Factor: 3				
Chromium	**13.6**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HK107**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5920F

DISSOLVED Metals

Lot-Sample #...: H7K260165-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10A
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10C
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10E
		Dilution Factor: 1				
Potassium	**24900**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HK10F**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10G
		Dilution Factor: 1				
Sodium	**68600**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HK10H**
		Dilution Factor: 1				
Vanadium	**58.3**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HK10J**
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HK10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

TOTAL Metals

Lot-Sample #...: H7K260165-002 Matrix.....: WATER
Date Sampled...: 11/24/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HD10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**3720**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HD104**
		Dilution Factor: 1				
Arsenic	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HD10P
		Dilution Factor: 3				
Lead	**9.7**	**9.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HD10Q**
		Dilution Factor: 3				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HD106
		Dilution Factor: 1				
Selenium	**16.7**	**15.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HD10R**
		Dilution Factor: 3				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD107
		Dilution Factor: 1				
Thallium	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HD10T
		Dilution Factor: 3				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD108
		Dilution Factor: 1				
Calcium	**497000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HD109**
		Dilution Factor: 1				
Chromium	**12.8**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HD10A**
		Dilution Factor: 1				
Cobalt	**142**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HD10C**
		Dilution Factor: 1				
Copper	**70.2**	**25.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HD10D**
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

TOTAL Metals

Lot-Sample #...: H7K260165-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	7930	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10E
		Dilution Factor: 1				
Magnesium	181000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10F
		Dilution Factor: 1				
Manganese	1660	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10G
		Dilution Factor: 1				
Nickel	228	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10H
		Dilution Factor: 1				
Potassium	28000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10K
		Dilution Factor: 1				
Sodium	1010000	50000	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10L
		Dilution Factor: 10				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10M
		Dilution Factor: 1				
Zinc	36.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HD10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680F

DISSOLVED Metals

Lot-Sample #...: H7K260165-009 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HL10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	2000	ug/L	SW846 6010A	12/16-12/18/97	CE9HL101
		Dilution Factor: 10				
Arsenic	ND	100	ug/L	SW846 6010A	12/16-12/19/97	CE9HL10L
		Dilution Factor: 10				
Lead	ND	30.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HL10M
		Dilution Factor: 10				
Antimony	ND	600	ug/L	SW846 6010A	12/16-12/18/97	CE9HL102
		Dilution Factor: 10				
Barium	ND	2000	ug/L	SW846 6010A	12/16-12/18/97	CE9HL103
		Dilution Factor: 10				
Selenium	ND	50.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HL10N
		Dilution Factor: 10				
Beryllium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HL104
		Dilution Factor: 10				
Thallium	ND	100	ug/L	SW846 6010A	12/16-12/19/97	CE9HL10P
		Dilution Factor: 10				
Cadmium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HL105
		Dilution Factor: 10				
Calcium	**472000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HL106**
		Dilution Factor: 10				
Chromium	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HL107
		Dilution Factor: 10				
Cobalt	ND	500	ug/L	SW846 6010A	12/16-12/18/97	CE9HL108
		Dilution Factor: 10				
Copper	ND	250	ug/L	SW846 6010A	12/16-12/18/97	CE9HL109
		Dilution Factor: 10				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5680F

DISSOLVED Metals

Lot-Sample #...: H7K260165-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	1000	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10A
		Dilution Factor: 10				
Magnesium	**170000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HL10C**
		Dilution Factor: 10				
Manganese	**1620**	**150**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HL10D**
		Dilution Factor: 10				
Nickel	ND	400	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10E
		Dilution Factor: 10				
Potassium	ND	50000	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10F
		Dilution Factor: 10				
Silver	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10G
		Dilution Factor: 10				
Sodium	**1030000**	**50000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HL10H**
		Dilution Factor: 10				
Vanadium	ND	500	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10J
		Dilution Factor: 10				
Zinc	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HL10K
		Dilution Factor: 10				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

TOTAL Metals

Lot-Sample #...: H7K260165-003 Matrix.....: WATER
Date Sampled...: 11/24/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HE10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**3820**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HE104**
		Dilution Factor: 1				
Arsenic	**21.5**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HE10P**
		Dilution Factor: 1				
Lead	**14.5**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HE10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HE106
		Dilution Factor: 1				
Selenium	**7.2**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HE10R**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HE10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE108
		Dilution Factor: 1				
Calcium	**285000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HE109**
		Dilution Factor: 1				
Chromium	**25.2**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HE10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

TOTAL Metals

Lot-Sample #...: H7K260165-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17400	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10E
		Dilution Factor: 1				
Magnesium	145000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10F
		Dilution Factor: 1				
Manganese	800	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10G
		Dilution Factor: 1				
Nickel	52.4	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10H
		Dilution Factor: 1				
Potassium	28200	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10K
		Dilution Factor: 1				
Sodium	79700	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10M
		Dilution Factor: 1				
Zinc	58.7	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HE10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640F

DISSOLVED Metals

Lot-Sample #...: H7K260165-010 Matrix.....: WATER
Date Sampled...: 11/24/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HM10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	**432**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HM101**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HM10L
		Dilution Factor: 1				
Lead	**11.0**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HM10M**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HM103
		Dilution Factor: 1				
Selenium	**11.4**	**5.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HM10N**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HM10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM105
		Dilution Factor: 1				
Calcium	**386000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HM106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5640F

DISSOLVED Metals

Lot-Sample #...: H7K260165-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	403	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10A
		Dilution Factor: 1				
Magnesium	181000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10C
		Dilution Factor: 1				
Manganese	1120	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10D
		Dilution Factor: 1				
Nickel	56.8	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10E
		Dilution Factor: 1				
Potassium	34500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10G
		Dilution Factor: 1				
Sodium	94900	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10J
		Dilution Factor: 1				
Zinc	52.0	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HM10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

TOTAL Metals

Lot-Sample #...: H7K260165-004 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HF10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HF104
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HF10P
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HF10Q
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HF106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HF10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HF10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF108
		Dilution Factor: 1				
Calcium	**566000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HF109**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10A
		Dilution Factor: 1				
Cobalt	**67.5**	**50.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HF10C**
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

TOTAL Metals

Lot-Sample #...: H7K260165-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	805	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10E
		Dilution Factor: 1				
Magnesium	215000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10F
		Dilution Factor: 1				
Manganese	2950	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10G
		Dilution Factor: 1				
Nickel	120	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10H
		Dilution Factor: 1				
Potassium	26700	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10K
		Dilution Factor: 1				
Sodium	86100	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10M
		Dilution Factor: 1				
Zinc	34.5	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HF10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630F

DISSOLVED Metals

Lot-Sample #...: H7K260165-011 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HN10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HN101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HN10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HN10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HN103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HN10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HN10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN105
		Dilution Factor: 1				
Calcium	**529000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HN106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5630F

DISSOLVED Metals

Lot-Sample #...: H7K260165-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	132	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10A
		Dilution Factor: 1				
Magnesium	204000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10C
		Dilution Factor: 1				
Manganese	2900	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10D
		Dilution Factor: 1				
Nickel	77.1	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10E
		Dilution Factor: 1				
Potassium	25800	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10G
		Dilution Factor: 1				
Sodium	79400	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10J
		Dilution Factor: 1				
Zinc	28.5	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HN10K
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

TOTAL Metals

Lot-Sample #...: H7K260165-005 Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HG10U
		Dilution Factor: 1				
Prep Batch #...: 7350104						
Aluminum	**1200**	**200**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HG104**
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HG10P
		Dilution Factor: 1				
Lead	**4.7**	**3.0**	**ug/L**	**SW846 6010A**	**12/16-12/19/97**	**CE9HG10Q**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG105
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HG106
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HG10R
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG107
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HG10T
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG108
		Dilution Factor: 1				
Calcium	**426000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HG109**
		Dilution Factor: 1				
Chromium	**10.4**	**10.0**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HG10A**
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10C
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10D
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

TOTAL Metals

Lot-Sample #...: H7K260165-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	3370	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10E
		Dilution Factor: 1				
Magnesium	253000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10F
		Dilution Factor: 1				
Manganese	249	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10G
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10H
		Dilution Factor: 1				
Potassium	25600	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10J
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10K
		Dilution Factor: 1				
Sodium	146000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10L
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10M
		Dilution Factor: 1				
Zinc	27.2	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HG10N
		Dilution Factor: 1				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590F

DISSOLVED Metals

Lot-Sample #...: H7K260165-012 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CE9HP10Q
		Dilution Factor: 1				
Prep Batch #...: 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HP101
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HP10L
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HP10M
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP102
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CE9HP103
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HP10N
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP104
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CE9HP10P
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP105
		Dilution Factor: 1				
Calcium	**402000**	**5000**	**ug/L**	**SW846 6010A**	**12/16-12/18/97**	**CE9HP106**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP107
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP108
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP109
		Dilution Factor: 1				

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5590F

DISSOLVED Metals

Lot-Sample #...: H7K260165-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	282	100	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10A
		Dilution Factor: 1				
Magnesium	246000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10C
		Dilution Factor: 1				
Manganese	372	15.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10D
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10E
		Dilution Factor: 1				
Potassium	26500	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10F
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10G
		Dilution Factor: 1				
Sodium	144000	5000	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10H
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10J
		Dilution Factor: 1				
Zinc	73.3	20.0	ug/L	SW846 6010A	12/16-12/18/97	CE9HP10K
		Dilution Factor: 1				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L100000-124 **Prep Batch #...:** 7344124						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CEFGV101
		Dilution Factor: 1				
MB Lot-Sample #: H7L160000-104 **Prep Batch #...:** 7350104						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL410J
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL410E
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL410K
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL410F
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL410L
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL410G
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL410M
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL410H
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL410N
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL410P
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4101
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4102
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4103
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CEJL4104
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL4105
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4106
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4107
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL4108
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL4109
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL410A
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL410C
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL410D
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H7L100000-125 **Prep Batch #...:** 7344125						
Mercury	ND	0.20	ug/L	SW846 7470A	12/10-12/11/97	CEFH5101
		Dilution Factor: 1				
MB Lot-Sample #: H7L160000-106 **Prep Batch #...:** 7350106						
Aluminum	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL810F
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL810A
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810G
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL810C
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010A	12/16-12/18/97	CEJL810H
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL810D
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810J
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010A	12/16-12/19/97	CEJL810E
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810K
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL810L
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810M
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810N
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL810P
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	12/16-12/18/97	CEJL8101
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL8102
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL8103
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL8104
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL8105
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL8106
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010A	12/16-12/18/97	CEJL8107
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL8108
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010A	12/16-12/18/97	CEJL8109
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K210209-001 **Prep Batch #...:** 7344124							
Mercury	96	(75 - 125)			SW846 7470A	12/10-12/11/97	CE6HX10X
	95	(75 - 125)	1.0	(0-20)	SW846 7470A	12/10-12/11/97	CE6HX110
		Dilution Factor: 1					
MS Lot-Sample #: H7K210209-001 **Prep Batch #...:** 7350104							
Aluminum	134 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX123
	142 N	(80 - 120)	4.1	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX124
		Dilution Factor: 1					
Arsenic	97	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6HX11T
	97	(80 - 120)	0.33	(0-20)	SW846 6010A	12/16-12/19/97	CE6HX11U
		Dilution Factor: 1					
Antimony	101	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX125
	104	(80 - 120)	2.6	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX126
		Dilution Factor: 1					
Lead	93	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6HX11V
	92	(80 - 120)	0.82	(0-20)	SW846 6010A	12/16-12/19/97	CE6HX11W
		Dilution Factor: 1					
Barium	93	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX127
	92	(80 - 120)	0.76	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX128
		Dilution Factor: 1					
Selenium	96	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6HX11X
	95	(80 - 120)	0.64	(0-20)	SW846 6010A	12/16-12/19/97	CE6HX120
		Dilution Factor: 1					
Beryllium	100	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX129
	98	(80 - 120)	1.9	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX12A
		Dilution Factor: 1					
Thallium	93	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6HX121
	93	(80 - 120)	0.30	(0-20)	SW846 6010A	12/16-12/19/97	CE6HX122
		Dilution Factor: 1					
Cadmium	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX12C
	97	(80 - 120)	0.69	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX12D
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	145 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX12E
	145 N	(80 - 120)	0.11	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX12F
		Dilution Factor: 1					
Chromium	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX111
	96	(80 - 120)	2.1	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX112
		Dilution Factor: 1					
Cobalt	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX113
	95	(80 - 120)	1.7	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX114
		Dilution Factor: 1					
Copper	95	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX115
	93	(80 - 120)	1.6	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX116
		Dilution Factor: 1					
Iron	NC,MSB	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX117
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	12/16-12/18/97	CE6HX118
		Dilution Factor: 1					
Magnesium	117	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX119
	117	(80 - 120)	0.04	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11A
		Dilution Factor: 1					
Manganese	104	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11C
	101	(80 - 120)	1.2	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11D
		Dilution Factor: 1					
Nickel	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11E
	96	(80 - 120)	2.4	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11F
		Dilution Factor: 1					
Potassium	111	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11G
	111	(80 - 120)	0.22	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11H
		Dilution Factor: 1					
Silver	94	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11J
	91	(80 - 120)	3.9	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11K
		Dilution Factor: 1					
Sodium	123 N	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11L
	126 N	(80 - 120)	0.87	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11M
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11N
	94	(80 - 120)	2.1	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11P
		Dilution Factor: 1					
Zinc	99	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6HX11Q
	92	(80 - 120)	6.5	(0-20)	SW846 6010A	12/16-12/18/97	CE6HX11R
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H7K210209-005 **Prep Batch #...:** 7344125							
Mercury	90	(75 - 125)			SW846 7470A	12/10-12/11/97	CE6J310R
	89	(75 - 125)	1.4	(0-20)	SW846 7470A	12/10-12/11/97	CE6J310T
		Dilution Factor: 1					
MS Lot-Sample #: H7K210209-005 **Prep Batch #...:** 7350106							
Aluminum	97	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311P
	101	(80 - 120)	4.5	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311Q
		Dilution Factor: 1					
Arsenic	102	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6J311F
	104	(80 - 120)	1.9	(0-20)	SW846 6010A	12/16-12/19/97	CE6J311G
		Dilution Factor: 1					
Antimony	106	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311R
	113	(80 - 120)	6.6	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311T
		Dilution Factor: 1					
Lead	100	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6J311H
	103	(80 - 120)	2.5	(0-20)	SW846 6010A	12/16-12/19/97	CE6J311J
		Dilution Factor: 1					
Barium	94	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311U
	96	(80 - 120)	1.9	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311V
		Dilution Factor: 1					
Selenium	101	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6J311K
	103	(80 - 120)	2.3	(0-20)	SW846 6010A	12/16-12/19/97	CE6J311L
		Dilution Factor: 1					
Beryllium	101	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311W
	105	(80 - 120)	3.7	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311X
		Dilution Factor: 1					
Thallium	99	(80 - 120)			SW846 6010A	12/16-12/19/97	CE6J311M
	101	(80 - 120)	2.3	(0-20)	SW846 6010A	12/16-12/19/97	CE6J311N
		Dilution Factor: 1					
Cadmium	99	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3120
	104	(80 - 120)	4.8	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3121
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	107	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3122
	123 N	(80 - 120)	5.6	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3123
		Dilution Factor: 1					
Chromium	100	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3124
	104	(80 - 120)	4.2	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3125
		Dilution Factor: 1					
Cobalt	96	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3126
	99	(80 - 120)	3.4	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3127
		Dilution Factor: 1					
Copper	97	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3128
	99	(80 - 120)	2.3	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3129
		Dilution Factor: 1					
Iron	93	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J310U
	99	(80 - 120)	5.2	(0-20)	SW846 6010A	12/16-12/18/97	CE6J310V
		Dilution Factor: 1					
Magnesium	107	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J310W
	115	(80 - 120)	3.3	(0-20)	SW846 6010A	12/16-12/18/97	CE6J310X
		Dilution Factor: 1					
Manganese	95	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3110
	102	(80 - 120)	4.2	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3111
		Dilution Factor: 1					
Nickel	98	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3112
	101	(80 - 120)	2.5	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3113
		Dilution Factor: 1					
Potassium	106	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3114
	111	(80 - 120)	2.6	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3115
		Dilution Factor: 1					
Silver	93	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3116
	99	(80 - 120)	6.2	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3117
		Dilution Factor: 1					
Sodium	107	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J3118
	116	(80 - 120)	2.9	(0-20)	SW846 6010A	12/16-12/18/97	CE6J3119
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	97	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311A
	101	(80 - 120)	3.5	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311C
		Dilution Factor: 1					
Zinc	93	(80 - 120)			SW846 6010A	12/16-12/18/97	CE6J311D
	100	(80 - 120)	6.0	(0-20)	SW846 6010A	12/16-12/18/97	CE6J311E
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L100000-124 **Prep Batch #...:** 7344124					
Mercury	96	(80 - 120)	SW846 7470A	12/10-12/11/97	CEFGV102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L160000-104 **Prep Batch #...:** 7350104					
Chromium	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410Q
		Dilution Factor: 1			
Cobalt	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410R
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410T
		Dilution Factor: 1			
Iron	108	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410U
		Dilution Factor: 1			
Magnesium	111	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410V
		Dilution Factor: 1			
Manganese	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410W
		Dilution Factor: 1			
Nickel	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL410X
		Dilution Factor: 1			
Antimony	113	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL411A
		Dilution Factor: 1			
Barium	100	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL411C
		Dilution Factor: 1			
Beryllium	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL411D
		Dilution Factor: 1			
Cadmium	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL411E
		Dilution Factor: 1			
Calcium	113	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL411F
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4110
		Dilution Factor: 1			
Silver	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4111
		Dilution Factor: 1			
Sodium	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4112
		Dilution Factor: 1			
Vanadium	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4113
		Dilution Factor: 1			
Zinc	109	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4114
		Dilution Factor: 1			
Arsenic	100	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL4115
		Dilution Factor: 1			
Lead	99	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL4116
		Dilution Factor: 1			
Selenium	99	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL4117
		Dilution Factor: 1			
Thallium	99	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL4118
		Dilution Factor: 1			
Aluminum	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL4119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H7L100000-125 **Prep Batch #...:** 7344125					
Mercury	96	(80 - 120)	SW846 7470A	12/10-12/11/97	CEFH5102
		Dilution Factor: 1			
LCS Lot-Sample#: H7L160000-106 **Prep Batch #...:** 7350106					
Iron	108	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810Q
		Dilution Factor: 1			
Magnesium	111	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810R
		Dilution Factor: 1			
Manganese	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810T
		Dilution Factor: 1			
Nickel	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810U
		Dilution Factor: 1			
Potassium	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810V
		Dilution Factor: 1			
Silver	104	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810W
		Dilution Factor: 1			
Sodium	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL810X
		Dilution Factor: 1			
Cadmium	98	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL811A
		Dilution Factor: 1			
Calcium	113	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL811C
		Dilution Factor: 1			
Chromium	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL811D
		Dilution Factor: 1			
Cobalt	105	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL811E
		Dilution Factor: 1			
Copper	103	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL811F
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	106	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8110
		Dilution Factor: 1			
Zinc	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8111
		Dilution Factor: 1			
Arsenic	100	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL8112
		Dilution Factor: 1			
Lead	100	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL8113
		Dilution Factor: 1			
Selenium	99	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL8114
		Dilution Factor: 1			
Thallium	99	(80 - 120)	SW846 6010A	12/16-12/19/97	CEJL8115
		Dilution Factor: 1			
Aluminum	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8116
		Dilution Factor: 1			
Antimony	110	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8117
		Dilution Factor: 1			
Barium	99	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8118
		Dilution Factor: 1			
Beryllium	107	(80 - 120)	SW846 6010A	12/16-12/18/97	CEJL8119
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5460

General Chemistry

Lot-Sample #...: H7K210209-001 **Work Order #...:** CE6HX **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5440

General Chemistry

Lot-Sample #...: H7K210209-002 **Work Order #...:** CE6J0 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5930

General Chemistry

Lot-Sample #...: H7K210209-003 **Work Order #...:** CE6J1 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.32**	**0.010**	**mg/L**	**SW846 9010A**	**11/25/97**	**7332128**

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5870

General Chemistry

Lot-Sample #...: H7K210209-004 **Work Order #...:** CE6J2 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5970

General Chemistry

Lot-Sample #...: H7K220146-001 **Work Order #...:** CE75W **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

General Chemistry

Lot-Sample #...: H7K220146-002 **Work Order #...:** CE75X **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

General Chemistry

Lot-Sample #...: H7K220146-004 **Work Order #...:** CE761 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

General Chemistry

Lot-Sample #...: H7K220146-005 **Work Order #...:** CE762 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

General Chemistry

Lot-Sample #...: H7K220146-006 **Work Order #...:** CE763 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

General Chemistry

Lot-Sample #...: H7K220146-008 **Work Order #...:** CE765 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

General Chemistry

Lot-Sample #...: H7K220146-009 **Work Order #...:** CE766 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

General Chemistry

Lot-Sample #...: H7K260165-001 **Work Order #...:** CE9HC **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

General Chemistry

Lot-Sample #...: H7K260165-002 Work Order #...: CE9HD Matrix.....: WATER
Date Sampled...: 11/24/97 Date Received..: 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	0.079	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

General Chemistry

Lot-Sample #...: H7K260165-003 **Work Order #...:** CE9HE **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

General Chemistry

Lot-Sample #...: H7K260165-004 **Work Order #...:** CE9HF **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

General Chemistry

Lot-Sample #...: H7K260165-005 **Work Order #...:** CE9HG **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

General Chemistry

Lot-Sample #...: H7K260165-006 **Work Order #...:** CE9HH **Matrix.....:** WATER
Date Sampled...: 11/23/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270

Dilution Factor: 1

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: CE9WK101		MB Lot-Sample #:	H7K280000-128	
	ND	0.010	mg/L	SW846 9010A	11/25/97	7332128
		Dilution Factor: 1				
Total Cyanide		Work Order #: CEDDT101		MB Lot-Sample #:	H7L040000-270	
	ND	0.010	mg/L	SW846 9010A	12/03/97	7338270
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB014 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:CEDDT102-LCS/CEDDT103-LCSD				LCS Lot-Sample#: H7L040000-270	
	108	(81 - 110)			SW846 9010A	12/03/97	7338270
	106	(81 - 110)	2.3	(0-20)	SW846 9010A	12/03/97	7338270
		Dilution Factor: 1					
Total Cyanide		WO#:CE9WK102-LCS/CE9WK103-LCSD				LCS Lot-Sample#: H7K280000-128	
	104	(81 - 110)			SW846 9010A	11/25/97	7332128
	107	(81 - 110)	2.4	(0-20)	SW846 9010A	11/25/97	7332128
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

QUANTERRA
Environmental Services

Sample Delivery Group Assignment Form

IT CORPORATION
PLUMBROOK ORDNANCE WORKS
SDG# PB014

*	DATE REC'D	LOT#	CLIENT ID	VOA 8260A	BNA 8270A	PEST/PCB 8081	TOTAL 8330	TOTAL METALS	DISS. METALS	CN. 9010A
1	11/21/97	H7K210209	5460	X	X	X	X	X	X	X
2			5440	X	X	X	X	X	X	X
3			5930	X	X	X	X	X	X	X
4			5870	X	X	X	X	X	X	X
5	11/22/97	H7K220146	5970	X	X	X	X	X	X	X
6			5880	X	X	X	X	X	X	X
7			5881	X						
8			5851	X	X	X	X	X	X	
9			5790	X	X	X	X	X	X	X
10			5850	X	X	X	X	X	X	X
11			5780	X	X	X	X	X	X	X
12			5670	X	X	X	X	X	X	
13			5650	X	X	X	X	X	X	X
14			5540	X	X	X	X	X	X	X
15	11/25/97	H7K260165	5920	X	X	X	X	X	X	X
16			5921	X						
17			5680	X	X	X	X	X	X	X
18			5640	X	X	X	X	X	X	X
19			5670							X
20			5630	X	X	X	X	X	X	X
21			5590	X	X	X	X	X	X	X

MATRIX: WATER
ANALYTICAL DUE: 12/22/97
REPORT DUE: 12/24/97
CLOSED?__YES__

1/8/989:43 AM
QC = MS/MSD
*A = ARCHIVED

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K210601

Reference Document No: 10028

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: Bruce Bundt

Turnaround Time:

Samples Shipment Date: 20-NOV-97

Lab Destination: Quanterra - Knoxville

Lab Contact: John Reynolds

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849873

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown |✓|

Sample Disposal:
Return to Client | | Disposal by Lab |✓| Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-20-97 Time: 1630
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Diane Lange — Date: 11/21/97 Time: 10:20
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments: Alkalinity, TDS & TSS=combined in 1 L HDPE; Metals=1L Filt, 1L Unfilt.

Rec'd @ 5°C w/custody seals Intact BPB 11/21/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	40 ml GVIAL,SEP	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		

H7K210209

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5660	PBOW97-PB-TNTC-MW6-GW-5660-REG	20-NOV-97	13:05	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5511	PBOW97-IT-AA3-GW-002-BW-5511-TB	19-NOV-97	07:15	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5520	PBOW97-IT-ABG-GW-002-GW-5520-REG	19-NOV-97	14:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5510	PBOW97-IT-AA3-GW-002-GW-5510-REG	19-NOV-97	15:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5460	PBOW97-IT-AA2-BEDGW-001-GW-5460-REG	20-NOV-97	11:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7KZ10107

Reference Document No: 10028

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5490	PBOW97-IT-AA1-GW-002-GW-5490-REG	20-NOV-97	08:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5440	PBOW97-IT-MNTA-BEDGW-001-GW-5440-RE	20-NOV-97	10:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5930	PBOW97-PB-BED-MW17-GW-5930-REG	20-NOV-97	08:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5860	PBOW97-GCL-MW02A-GW-5860-REG	20-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5870	PBOW97-GCL-MW02B-GW-5870-REG	20-NOV-97	12:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote# 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K220146

Reference Document No: 10030

Project Number: 771481

Samples Shipment Date: 21-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: Bruce Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849884

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: #5970: OBVIOUS H2S ODOR; NITRATE, SULF & CHLOR SUBMITTED TO KNOX QUANT

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☐ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt	Date: 11-21-97 Time: 1630	1. Received By (Signature/Affiliation) Bryan Blomquist QESKW	Date: 11/22/97 Time: 0945
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: ALK,TDS,TSS=1L HDPE; METALS=1L FILT, 1L UNFILT.

Sample # 5670, as per conversation between Kim Napier + Quant. Knox, water quality (Wet Chem) samples will be submitted @ a later date, except for the nitrate-sulfate + chloride - which will be submitted to

Rec'd @ 5°C w/custody Seals Intact BPB 11/22/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5881	PBOW97-GCL-MW03-BW-5881-TB	20-NOV-97	15:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12

H7K220146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10030

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K220146

Reference Document No: 10030

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative		Requested Testing Program	Fil	CID	Condition On Receipt
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	500 ml HDPE	1	NaOH to pH12	-	Total Cyanide by SW-846 9010A in water	N		pH >12
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	1	NONE	-	Nitroaromatics by SW-846 8330 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	HNO3, pH<2		Hardness by E130.2 in water	N		pH=7
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	2	HNO3, pH<2		TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	2	NONE	-	PCBs by SW8081 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	2	NONE		TCL Semivolatiles by SW-846 8270B in wate	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE		Total dissolved solids by E160.1 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	500 ml HDPE	1	pH<2 H2SO4		TOC by SW-9060 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	500 ml HDPE	1	NaOH to pH12	-	Total Cyanide by SW-846 9010A in water	N		pH>12
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	1	NONE	-	Nitroaromatics by SW-846 8330 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	HNO3, pH<2		Hardness by E130.2 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	2	HNO3, pH<2	✓	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	2	NONE	✓	PCBs by SW8081 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	2	NONE	✓	TCL Semivolatiles by SW-846 8270B in wate	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE		Total dissolved solids by E160.1 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	500 ml HDPE	1	pH<2 H2SO4		TOC by SW-9060 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE		Total suspended solids by E160.2	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	40 ml GVIAL,SEP	3	HCl, pH<2	-	TCL Volatiles by SW-846 8260A in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	-	Nitroaromatics by SW-846 8330 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml HDPE	2	HNO3, pH<2	-	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE		ALKALINITY by E310.1 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	500 ml HDPE	1	NaOH to pH12	-	Total Cyanide by SW-846 9010A in water	N		pH>12
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	1	NONE	-	Nitroaromatics by SW-846 8330 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	HNO3, pH<2		Hardness by E130.2 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	-	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	2	NONE	-	PCBs by SW8081 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	2	NONE	-	TCL Semivolatiles by SW-846 8270B in wate	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE		Total dissolved solids by E160.1 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	500 ml HDPE	1	pH<2 H2SO4		TOC by SW-9060 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE		Total suspended solids by E160.2	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	-	TCL Volatiles by SW-846 8260A in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE		ALKALINITY by E310.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

Quote# 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K260163

Reference Document No: 10032

Project Number: 771481
Project Name: PLUMBROOK ORDNANCE WORKS
Sample Coordinator: Bruce Bundt
Turnaround Time:

Samples Shipment Date: 24-NOV-97
Lab Destination: Quanterra - Knoxville
Lab Contact: John Reynolds
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/801624850568

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: SAMPLE #5920=possible LPH!!!!!!!!! (liquid-phase hydrocarbons)

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt	Date: 11-24-97 Time: 1630	1. Received By (Signature/Affiliation) Bryan Blomquist	Date: 11/25/97 Time: 1015
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Alkalinity/TDS/TSS=combined in 1 L HDPE; Metals=1 Filt, 1 Unfilt.

Sample #5640 : Carbonate Hardness by E130.2 w/ TOTAL METALS

Rec'd @ 2°c
w/ custody Seals
Intact BPB 11/25/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5921	PBOW97-PB-BED-MW16-BW-5921-TB	23-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	24-NOV-97	09:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

HHF-60103

Reference Document No: 10032

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		Run Hardness w/
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total Metals pH<
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K260163

Reference Document No: 10032

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
U5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
423 584-4315 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 771481

PBOW-Groundwater Investigation
SDG #: PB015

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

January 9, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB015 : H7K220147

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE76K	002	5880	11/20/97	17:20
CE76L	003	5790	11/21/97	09:30
CE76M	004	5850	11/20/97	16:15
CE76N	005	5780	11/21/97	10:45
CE76P	006	5650	11/21/97	08:50
CE76Q	007	5540	11/21/97	10:20
CE7CD	008	5630	11/21/97	07:30
CE7F2	009	5670	11/21/97	10:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB015 : H7K260140

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE947	001	5680	11/23/97	09:00
CE94G	002	5920	11/23/97	08:30
CE94M	003	5670	11/23/97	10:30
CE951	004	5640	11/24/97	07:45
CE957	005	5630	11/21/97	07:30
CE95F	006	5590	11/21/97	16:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB015

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Filterable Residue (TDS)	MCAWW 160.1
Nitrate	MCAWW 353.2
Non-Filterable Residue (TSS)	MCAWW 160.2
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

PROJECT NARRATIVE

All holding times and QC criteria were met with the following exceptions:

Wet Chemistry

Nitrate analysis for sample 5970 was canceled by Kim Napier of IT Corporation. The TDS and TSS analyses for this sample were analyzed outside of holding time per client request.

Samples 5790, 5850, and 5780 were analyzed for TDS and TSS outside of holding time due to laboratory error.

The batch matrix spike/matrix spike recoveries and/or RPDs for Chloride and Sulfate analyses were outside control limits. However, the associated laboratory control samples showed acceptable results indicating that the analyses were in control. The results are, therefore, attributed to matrix effects.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: ALKALINITY
Method: EPA 310.1
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	487	MG/L		5.00	1
NA	QCBLK160007-1	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	5.00	MG/L	U	5.00	1
NA	QCLCS160007-1	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	90	%REC			1

Quanterra Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: HARDNESS
Method: EPA 130.2
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	484	MG/L		1.00	1
NA	QCBLK160565-1	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	1.00	MG/L	U	1.00	1
NA	QCLCS160565-1	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	98	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Sulfate
Method: EPA 375.4
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	13.9	MG/L		5.00	1
NA	QCBLK160152-1	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	5.00	MG/L	U	5.00	1
NA	QCLCS160152-1	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	98	%REC			1

Quanterra Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: TDS
Method: EPA 160.1
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	570	MG/L		5.00	1
NA	QCBLK160006-1	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	5.00	MG/L	U	5.00	1
NA	QCLCS160006-1	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	98	%REC			1

Quanterra Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: TSS
Method: EPA 160.2
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	35.0	MG/L		1.00	1
NA	QCBLK160005-1	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	1.00	MG/L	U	1.00	1
NA	QCLCS160005-1	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	100	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Total Organic Carbon
Method: EPA 9060
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	2.50	MG/L		1.00	1
NA	QCBLK160522-1	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	1.00	MG/L	U	1.00	1
NA	QCLCS160522-1	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	102	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Anions - EPA 300.0
Method: EPA 300.0
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	56.9	MG/L		4.00	20
NA	QCBLK160267-1	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	0.20	MG/L	U	0.20	1
NA	QCLCS160267-1	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	94	%REC			1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5880

General Chemistry

Lot-Sample #...: H7K220147-002 **Work Order #...:** CE76K **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	190	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	200	20	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 10					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	29	5	mg/L	MCAWW 375.4	12/04/97	7344203
	Dilution Factor: 1					
Total Dissolved Solids	250	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	4.2	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	8.0	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
	Dilution Factor: 1					

NOTE(S):

Rl. Reporting Limit

TOC range: 4.15 - 4.36

IT CORPORATION - KNOXVILLE

Client Sample ID: 5790

General Chemistry

Lot-Sample #...: H7K220147-003 **Work Order #...:** C876L **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	38	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	4	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	440	10	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 5					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	300	100	mg/L	MCAWW 375.4	12/11/97	7346161
	Dilution Factor: 20					
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1	12/12-12/15/97	7353213
	Dilution Factor: 1					
Total Organic Carbon	3.4	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	12/11-12/15/97	7353202
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.35 - 3.53

IT CORPORATION - KNOXVILLE

Client Sample ID: 5850

General Chemistry

Lot-Sample #...: H7K220147-004 **Work Order #...:** CE76M **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**150**	**5.0**	**mg/L**	**MCAWW 310.1**	**12/02/97**	**7337133**
	Dilution Factor: 1					
Chloride - Automated	**3**	**1**	**mg/L**	**MCAWW 325.2**	**12/09/97**	**7344224**
	Dilution Factor: 1					
Hardness, as CaCO3	**540**	**10**	**mg/L**	**MCAWW 130.2**	**12/11/97**	**7346127**
	Dilution Factor: 5					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	**130**	**25**	**mg/L**	**MCAWW 375.4**	**12/11/97**	**7346161**
	Dilution Factor: 5					
Total Dissolved Solids	**500**	**10**	**mg/L**	**MCAWW 160.1**	**12/12-12/15/97**	**7353213**
	Dilution Factor: 1					
Total Organic Carbon	**5.4**	**1.0**	**mg/L**	**SW846 9060**	**12/17/97**	**7352124**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/11-12/15/97	7353202
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 5.24 - 5.48

IT CORPORATION - KNOXVILLE

Client Sample ID: 5780

General Chemistry

Lot-Sample #...: H7K220147-005 Work Order #...: CE76N Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	36	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	490	10	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 5					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	470	100	mg/L	MCAWW 375.4	12/11/97	7346161
	Dilution Factor: 20					
Total Dissolved Solids	290	10	mg/L	MCAWW 160.1	12/12-12/15/97	7353213
	Dilution Factor: 1					
Total Organic Carbon	2.5	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/11-12/15/97	7353202
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.50 - 2.59

IT CORPORATION - KNOXVILLE

Client Sample ID: 5650

General Chemistry

Lot-Sample #...: H7K220147-006 Work Order #...: CB76P Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	320	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	50	1	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1					
Hardness, as CaCO3	500	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	430	100	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 20					
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	11/25-11/26/97	7335226
	Dilution Factor: 1					
Total Organic Carbon	3.0	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	11/27-12/01/97	7335228
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.91 - 3.20

IT CORPORATION - KNOXVILLE

Client Sample ID: 5540

General Chemistry

Lot-Sample #...: H7K220147-007 Work Order #...: CE76Q Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	550	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	97	50	mg/L	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 50					
Hardness, as CaCO3	1500	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 50					
Sulfate	270	100	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 20					
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	11/27-12/01/97	7335227
	Dilution Factor: 1					
Total Organic Carbon	41	10	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 10					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	11/27-12/01/97	7335228
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 40.0 - 40.6

IT CORPORATION - KNOXVILLE

Client Sample ID: 5680

General Chemistry

Lot-Sample #...: H7K260140-001 **Work Order #...:** CE947 **Matrix.....:** WATER
Date Sampled...: 11/23/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	520	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	2	1	mg/L	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 1					
Hardness, as CaCO3	3300	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	80	5.0	mg/L	MCAWW 353.2	11/25/97	7335158
	Dilution Factor: 50					
Sulfate	2300	500	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 100					
Total Dissolved Solids	7700	10	mg/L	MCAWW 160.1	12/01-12/02/97	7337147
	Dilution Factor: 1					
Total Organic Carbon	970	100	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 100					
Total Suspended Solids	40	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 945 - 980

IT CORPORATION - KNOXVILLE

Client Sample ID: 5920

General Chemistry

Lot-Sample #...: H7K260140-002 Work Order #...: CE94G Matrix.....: WATER
Date Sampled...: 11/23/97 Date Received..: 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	1600	25	mg/L	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1					
Chloride - Automated	88	2	mg/L	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 2					
Hardness, as CaCO3	5300	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	ND ~~DIL~~	5.0	mg/L	MCAWW 353.2	11/25/97	7335158
	Dilution Factor: 50					
Sulfate	150	25	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 5					
Total Dissolved Solids	6400	40	mg/L	MCAWW 160.1	12/04-12/05/97	7345211
	Dilution Factor: 4					
Total Organic Carbon	8.4	2.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 2					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

TOC range: 8.29 - 8.57

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

General Chemistry

Lot-Sample #...: H7K260140-003 **Work Order #...:** CE94M **Matrix.....:** WATER
Date Sampled...: 11/23/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**380**	**5.0**	**mg/L**	**MCAWW 310.1**	**12/02/97**	**7337133**
	Dilution Factor: 1					
Hardness, as CaCO3	**4900**	**100**	**mg/L**	**MCAWW 130.2**	**12/11/97**	**7346127**
	Dilution Factor: 50					
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**12/01-12/02/97**	**7337147**
	Dilution Factor: 1					
Total Organic Carbon	**2.1**	**1.0**	**mg/L**	**SW846 9060**	**12/17/97**	**7352124**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.03 - 2.16

IT CORPORATION - KNOXVILLE

Client Sample ID: 5670

General Chemistry

Lot-Sample #...: H7K220147-009 **Work Order #...:** CE7F2 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**7**	**1**	**mg/L**	**MCAWW 325.2**	**12/09/97**	**7344225**
		Dilution Factor: 1				
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
		Dilution Factor: 50				
Sulfate	**170**	**25**	**mg/L**	**MCAWW 375.4**	**12/05/97**	**7346159**
		Dilution Factor: 5				

IT CORPORATION - KNOXVILLE

Client Sample ID: 5640

General Chemistry

Lot-Sample #...: H7K260140-004 **Work Order #...:** CE951 **Matrix.....:** WATER
Date Sampled...: 11/24/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	330	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	23	1	mg/L	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 1					
Hardness, as CaCO3	9200	100	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 50					
Nitrate	91	5.0	mg/L	MCAWW 353.2	11/25/97	7335158
	Dilution Factor: 50					
Sulfate	1100	500	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 100					
Total Dissolved Solids	2100	10	mg/L	MCAWW 160.1	12/01-12/02/97	7337147
	Dilution Factor: 1					
Total Organic Carbon	2.6	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.48 - 2.76

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

General Chemistry

Lot-Sample #...: H7K260140-005 **Work Order #...:** CE957 **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	**270**	**5.0**	**mg/L**	**MCAWW 310.1**	**12/02/97**	**7337133**
	Dilution Factor: 1					
Hardness, as CaCO3	**13000**	**100**	**mg/L**	**MCAWW 130.2**	**12/11/97**	**7346127**
	Dilution Factor: 50					
Total Dissolved Solids	**3000**	**10**	**mg/L**	**MCAWW 160.1**	**12/01-12/02/97**	**7337147**
	Dilution Factor: 1					
Total Organic Carbon	**2.4**	**1.0**	**mg/L**	**SW846 9060**	**12/17/97**	**7352124**
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.25 - 2.52

IT CORPORATION - KNOXVILLE

Client Sample ID: 5630

General Chemistry

Lot-Sample #...: H7K220147-008 **Work Order #...:** CE7CD **Matrix.....:** WATER
Date Sampled...: 11/21/97 **Date Received..:** 11/22/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**17**	**1**	**mg/L**	**MCAWW 325.2**	**12/09/97**	**7344225**
	Dilution Factor: 1					
Nitrate	ND	5.0	mg/L	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 50					
Sulfate	**2000**	**500**	**mg/L**	**MCAWW 375.4**	**12/05/97**	**7346159**
	Dilution Factor: 100					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5590

General Chemistry

Lot-Sample #...: H7K260140-006 Work Order #...: CE95F Matrix.....: WATER
Date Sampled...: 11/21/97 Date Received..: 11/25/97

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	340	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1					
Chloride - Automated	28	1	mg/L	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 1					
Hardness, as CaCO3	2200	20	mg/L	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 10					
Nitrate	17	5.0	mg/L	MCAWW 353.2	11/25/97	7335158
	Dilution Factor: 50					
Sulfate	1500	500	mg/L	MCAWW 375.4	12/05/97	7346159
	Dilution Factor: 100					
Total Dissolved Solids	3100	10	mg/L	MCAWW 160.1	12/01-12/02/97	7337147
	Dilution Factor: 1					
Total Organic Carbon	2.9	1.0	mg/L	SW846 9060	12/17/97	7352124
	Dilution Factor: 1					
Total Suspended Solids	15	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.77 - 2.93

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CEC47101		MB Lot-Sample #:	B7L030000-133	
	ND	5.0	mg/L	MCAWW 310.1	12/02/97	7337133
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CED0W101		MB Lot-Sample #:	B7L040000-205	
	ND	5.0	mg/L	MCAWW 310.1	12/04/97	7338205
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFVH101		MB Lot-Sample #:	B7L100000-224	
	ND	1	mg/L	MCAWW 325.2	12/09/97	7344224
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CEFVL101		MB Lot-Sample #:	B7L100000-225	
	ND	1	mg/L	MCAWW 325.2	12/09/97	7344225
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CEH0F101		MB Lot-Sample #:	B7L120000-127	
	ND	2	mg/L	MCAWW 130.2	12/11/97	7346127
		Dilution Factor: 1				
Nitrate		Work Order #: CE8RJ101		MB Lot-Sample #:	B7K260000-116	
	ND	0.1	mg/L	MCAWW 353.2	11/24/97	7330116
		Dilution Factor: 1				
Nitrate		Work Order #: CE8RL101		MB Lot-Sample #:	B7K260000-117	
	ND	0.1	mg/L	MCAWW 353.2	11/24/97	7330117
		Dilution Factor: 1				
Nitrate		Work Order #: CEA7C101		MB Lot-Sample #:	B7L010000-158	
	ND	0.1	mg/L	MCAWW 353.2	11/25/97	7335158
		Dilution Factor: 1				
Sulfate		Work Order #: CEFRA101		MB Lot-Sample #:	B7L100000-203	
	ND	5	mg/L	MCAWW 375.4	12/04/97	7344203
		Dilution Factor: 1				
Sulfate		Work Order #: CEH5F101		MB Lot-Sample #:	B7L120000-159	
	ND	5	mg/L	MCAWW 375.4	12/05/97	7346159
		Dilution Factor: 1				
Sulfate		Work Order #: CEH5H101		MB Lot-Sample #:	B7L120000-161	
	ND	5	mg/L	MCAWW 375.4	12/11/97	7346161
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: CEAAT101		MB Lot-Sample #: B7L010000-226		
	ND	10	mg/L	MCAWW 160.1	11/25-12/01/97	7335226
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEAAV101		MB Lot-Sample #: B7L010000-227		
	ND	10	mg/L	MCAWW 160.1	11/27-12/01/97	7335227
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEC4M101		MB Lot-Sample #: B7L030000-147		
	ND	10	mg/L	MCAWW 160.1	12/01-12/03/97	7337147
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEGJN101		MB Lot-Sample #: B7L110000-211		
	ND	10	mg/L	MCAWW 160.1	12/04-12/05/97	7345211
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CEMKP101		MB Lot-Sample #: B7L190000-213		
	ND	10	mg/L	MCAWW 160.1	12/12-12/15/97	7353213
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CEL5P101		MB Lot-Sample #: B7L180000-124		
	ND	1.0	mg/L	SW846 9060	12/17/97	7352124
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEAAR101		MB Lot-Sample #: B7L010000-225		
	ND	4.0	mg/L	MCAWW 160.2	11/25-11/26/97	7335225
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEAAX101		MB Lot-Sample #: B7L010000-228		
	ND	4.0	mg/L	MCAWW 160.2	11/27-12/01/97	7335228
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CEC4L101		MB Lot-Sample #: B7L030000-146		
	ND	4.0	mg/L	MCAWW 160.2	12/01-12/02/97	7337146
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: CEMJ1101		MB Lot-Sample #:	B7L190000-202	
	ND	4.0	mg/L	MCAWW 160.2	12/11-12/15/97	7353202
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB015 **Matrix.....:** WATER
Date Sampled...: 11/20/97 **Date Received..:** 11/21/97

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		WO#:	CE6JD10C-MS/CE6JD10D-MSD			MS Lot-Sample #:	H7K210210-006
	97	(90 - 114)			MCAWW 325.2	12/09/97	7344224
	89 N	(90 - 114)	1.4	(0-12)	MCAWW 325.2	12/09/97	7344224
		Dilution Factor: 1					
Chloride - Automated		WO#:	CE7CD104-MS/CE7CD105-MSD			MS Lot-Sample #:	H7K220147-008
	90	(90 - 114)			MCAWW 325.2	12/09/97	7344225
	91	(90 - 114)	0.28	(0-12)	MCAWW 325.2	12/09/97	7344225
		Dilution Factor: 1					
Sulfate		WO#:	CE76N109-MS/CE76N10A-MSD			MS Lot-Sample #:	H7K220147-005
	0.0 MSB	(80 - 120)			MCAWW 375.4	12/11/97	7346161
	0.0 MSB	(80 - 120)	0.0	(0-20)	MCAWW 375.4	12/11/97	7346161
		Dilution Factor: 1					
Sulfate		WO#:	CE76P10A-MS/CE76P10C-MSD			MS Lot-Sample #:	H7K220147-006
	0.0 MSB	(80 - 120)			MCAWW 375.4	12/05/97	7346159
	0.0 MSB	(80 - 120)	0.0	(0-20)	MCAWW 375.4	12/05/97	7346159
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CE76K109-MS/CE76K10A-MSD			MS Lot-Sample #:	H7K220147-002
	105	(90 - 112)			SW846 9060	12/17/97	7352124
	105	(90 - 112)	0.14	(0-20)	SW846 9060	12/17/97	7352124
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H7K220147 **Work Order #...:** CEGAT-SMP CEGAT-DUP **Matrix.....:** WATER

Date Sampled...: 12/07/97 **Date Received..:** 12/11/97

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	B7L110115-001	
	660	650	mg/L	2.1	(0-20)	MCAWW 160.1	12/12-12/15/97	7353213

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB015 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH	WO#:CEC47102-LCS/CEC47103-LCSD LCS Lot-Sample#: B7L030000-133						
	100	(90 - 110)			MCAWW 310.1	12/02/97	7337133
	100	(90 - 110)	0.0	(0-20)	MCAWW 310.1	12/02/97	7337133
	Dilution Factor: 1						
Alkalinity as CaCO3 to pH	WO#:CED0W102-LCS/CED0W103-LCSD LCS Lot-Sample#: B7L040000-205						
	102	(90 - 110)			MCAWW 310.1	12/04/97	7338205
	100	(90 - 110)	2.0	(0-20)	MCAWW 310.1	12/04/97	7338205
	Dilution Factor: 1						
Chloride - Automated	WO#:CEFVH102-LCS/CEFVH103-LCSD LCS Lot-Sample#: B7L100000-224						
	98	(90 - 115)			MCAWW 325.2	12/09/97	7344224
	97	(90 - 115)	1.4	(0-20)	MCAWW 325.2	12/09/97	7344224
	Dilution Factor: 1						
Chloride - Automated	WO#:CEFVL102-LCS/CEFVL103-LCSD LCS Lot-Sample#: B7L100000-225						
	111	(90 - 115)			MCAWW 325.2	12/09/97	7344225
	111	(90 - 115)	0.42	(0-20)	MCAWW 325.2	12/09/97	7344225
	Dilution Factor: 1						
Hardness, as CaCO3	WO#:CEH0F102-LCS/CEH0F103-LCSD LCS Lot-Sample#: B7L120000-127						
	100	(90 - 110)			MCAWW 130.2	12/11/97	7346127
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	12/11/97	7346127
	Dilution Factor: 1						
Nitrate	WO#:CEA7C102-LCS/CEA7C103-LCSD LCS Lot-Sample#: B7L010000-158						
	101	(90 - 110)			MCAWW 353.2	11/25/97	7335158
	98	(90 - 110)	3.0	(0-20)	MCAWW 353.2	11/25/97	7335158
	Dilution Factor: 1						
Nitrate	WO#:CE8RJ102-LCS/CE8RJ103-LCSD LCS Lot-Sample#: B7K260000-116						
	100	(90 - 110)			MCAWW 353.2	11/24/97	7330116
	99	(90 - 110)	0.75	(0-20)	MCAWW 353.2	11/24/97	7330116
	Dilution Factor: 1						
Nitrate	WO#:CE8RL102-LCS/CE8RL103-LCSD LCS Lot-Sample#: B7K260000-117						
	101	(90 - 110)			MCAWW 353.2	11/24/97	7330117
	100	(90 - 110)	1.2	(0-20)	MCAWW 353.2	11/24/97	7330117
	Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB015 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:CEFRA102-LCS/CEFRA103-LCSD LCS Lot-Sample#: B7L100000-203					
	91	(90 - 110)			MCAWW 375.4	12/04/97	7344203
	91	(90 - 110)	0.0	(0-20)	MCAWW 375.4	12/04/97	7344203
		Dilution Factor: 1					
Sulfate		WO#:CEH5F102-LCS/CEH5F103-LCSD LCS Lot-Sample#: B7L120000-159					
	91	(90 - 110)			MCAWW 375.4	12/05/97	7346159
	94	(90 - 110)	3.2	(0-20)	MCAWW 375.4	12/05/97	7346159
		Dilution Factor: 1					
Sulfate		WO#:CEH5H102-LCS/CEH5H103-LCSD LCS Lot-Sample#: B7L120000-161					
	93	(90 - 110)			MCAWW 375.4	12/11/97	7346161
	93	(90 - 110)	0.0	(0-20)	MCAWW 375.4	12/11/97	7346161
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAT102-LCS/CEAAT103-LCSD LCS Lot-Sample#: B7L010000-226					
	97	(84 - 114)			MCAWW 160.1	11/25-12/01/97	7335226
	98	(84 - 114)	1.1	(0-20)	MCAWW 160.1	11/25-12/01/97	7335226
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEAAV102-LCS/CEAAV103-LCSD LCS Lot-Sample#: B7L010000-227					
	97	(84 - 114)			MCAWW 160.1	11/27-12/01/97	7335227
	97	(84 - 114)	0.41	(0-20)	MCAWW 160.1	11/27-12/01/97	7335227
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEC4M102-LCS/CEC4M103-LCSD LCS Lot-Sample#: B7L030000-147					
	98	(84 - 114)			MCAWW 160.1	12/01-12/03/97	7337147
	95	(84 - 114)	2.5	(0-20)	MCAWW 160.1	12/01-12/03/97	7337147
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CEGJN102-LCS/CEGJN103-LCSD LCS Lot-Sample#: B7L110000-211					
	92	(84 - 114)			MCAWW 160.1	12/04-12/05/97	7345211
	94	(84 - 114)	1.9	(0-20)	MCAWW 160.1	12/04-12/05/97	7345211
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB015 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:CEMKP102-LCS/CEMKP103-LCSD				LCS Lot-Sample#: B7L190000-213	
	96	(84 - 114)			MCAWW 160.1	12/12-12/15/97	7353213
	97	(84 - 114)	0.72	(0-20)	MCAWW 160.1	12/12-12/15/97	7353213
		Dilution Factor: 1					
Total Organic Carbon		WO#:CEL5P102-LCS/CEL5P103-LCSD				LCS Lot-Sample#: B7L180000-124	
	104	(90 - 112)			SW846 9060	12/17/97	7352124
	104	(90 - 112)	0.55	(0-20)	SW846 9060	12/17/97	7352124
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEAAR102-LCS/CEAAR103-LCSD				LCS Lot-Sample#: B7L010000-225	
	105	(76 - 121)			MCAWW 160.2	11/25-11/26/97	7335225
	105	(76 - 121)	0.0	(0-20)	MCAWW 160.2	11/25-11/26/97	7335225
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEAAX102-LCS/CEAAX103-LCSD				LCS Lot-Sample#: B7L010000-228	
	97	(76 - 121)			MCAWW 160.2	11/27-12/01/97	7335228
	101	(76 - 121)	3.8	(0-20)	MCAWW 160.2	11/27-12/01/97	7335228
		Dilution Factor: 1					
Total Suspended Solids		WO#:CEC4L102-LCS/CEC4L103-LCSD				LCS Lot-Sample#: B7L030000-146	
	97	(76 - 121)			MCAWW 160.2	12/01-12/02/97	7337146
	89	(76 - 121)	8.2	(0-20)	MCAWW 160.2	12/01-12/02/97	7337146
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB015 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: CEMJ1102	LCS Lot-Sample#: B7L190000-202		
	108	(76 - 121)	MCAWW 160.2	12/11-12/15/97	7353202
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sample Receipt Documentation

H7K220144

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10030

Project Number: 771481

Samples Shipment Date: 21-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: Bruce Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849884

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:#5970: OBVIOUS H2S ODOR; NITRATE, SULF & CHLOR SUBMITTED TO KNOX QUANT

Possible Hazard Indentification:

Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown | ✓

Sample Disposal:

Return to Client | | Disposal by Lab | ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-21-97 Time: 1630
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Bryan Blomquist @ESKW — Date: 11/22/97 Time: 0945
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments: ALK,TDS,TSS=1L HDPE; METALS=1L FILT, 1L UNFILT.

Sample # 5670, as per conversation between Kim Napier & Quant. Knox, water quality (Wet Chem) samples will be submitted @ a later date, except for the nitrate-sulfate + chlorine - which will be submitted to Tray

Recd @ 5°C w/ custody Seals Intact BPB 11/22/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5881	PBOW97-GCL-MW03-BW-5881-TB	20-NOV-97	15:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12

H7K220147

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10030

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5970	PBOW97-REACTOR1-GW-5970-REG	21-NOV-97	12:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml HDPE	2	pH<2 HNO3	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5851	PBOW97-FIELDQC-BW-5851-FB	21-NOV-97	08:00	40 ml VOA VIAL	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5880	PBOW97-GCL-MW03-GW-5880-REG	20-NOV-97	17:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5850	PBOW97-GCL-MW01-GW-5850-REG	20-NOV-97	16:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5790	PBOW97-MK-MW17-GW-5790-REG	21-NOV-97	09:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

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H7K220147

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10030

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH >12
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH=7
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5780	PBOW97-MK-MW16-GW-5780-REG	21-NOV-97	10:45	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	21-NOV-97	10:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		pH>12
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5540	PBOW97-IT-MW02-GW-5540-REG	21-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5650	PBOW97-PB-TNTC-MW5-GW-5650-REG	21-NOV-97	08:50	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

B000004

B0000005

Quanterra Environmental Services

Quanterra Condition Upon Receipt Anomaly Report (CUR)
QES - Knoxville

CUR No. N/A
Lot 97K220147

Client: IT Corp
Project Name: Plumbrook

Date Received: 11/22/97
Initiated By: DPB
RFA/COC Nos.: 10030

Condition/Anomaly/Variance (select from legend - on back):

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5780	Hardness	4d	Added HNO_3 to pH<2
			* 5970 - Cancel the Nitrate test
			per Kim Napier / IT. KNOXVILLE.

Corrective Action:

- [x] Client informed verbally on 11/21/97 By: JAL In writing on: _____ By: _____
- [ ] Sample(s) processed "as is"
- [ ] Sample(s) ON HOLD until further notice
- [ ] Other action required (see above comments)
- [ ] No action required

Sample Control Reviewer: _____ Project Manager: _____

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

QA026R2.XLS8/29/97

B000002b

Quanterra Condition Upon Receipt Anomaly Report (CUR)
QES - Knoxville

Legend:

Cooler:
1a Not received, COC available
1b Leaking
1c Other: _____

Temperature:
2a Temp. Blank= _____
2b Cooler Temp= _____
(cooler temp should only be used if there is no Temp. Blank)

Containers:
3a Leaking
3b Broken
3c Extra
3d No labels
3e Headspace (VOA only)
3f Other: _____

Samples:
4a Samples received but not on COC
4b Samples not received but on COC
4c Holding Time Expired
4d Sample Preservative pH = 7
4e Other: _____

Custody Seals:
5a None
5b Not intact
5c Other: _____

Chain of Custody(COC):
6a Not relinquished by client
6b incomplete information
6c Other: _____

Container Labels:
7a Doesn't match COC
7b Incomplete information
7c Marking smeared
7d Label torn
7e Other: _____

Other (8): _____

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

QA026R2.XLS8/29/97

INTERNATIONAL TECHNOLOGY CORPORATION

Quote # 20941

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

H7K260140

Reference Document No: 10032

Project Number: 771481

Samples Shipment Date: 24-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: Bruce Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624850568

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: SAMPLE #5920=possible LPH!!!!!!!!! (liquid-phase hydrocarbons)

Possible Hazard Indentification:
Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown |✓|

Sample Disposal:
Return to Client | | Disposal by Lab |✓| Archive (mos.)

1. Relinquished By (Signature/Affiliation) Bruce Bundt — Date: 11-24-97 Time: 1630

2. Relinquished By (Signature/Affiliation) — Date: Time:

3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Bryan Blomquist — Date: 11/25/97 Time: 1015

2. Received By (Signature/Affiliation) — Date: Time:

3. Received By (Signature/Affiliation) — Date: Time:

Comments: Alkalinity/TDS/TSS=combined in 1 L HDPE; Metals=1 Filt, 1 Unfilt.

Sample #5640 : Combine Hardness by E130.2 w/ TOTAL METALS

Rec'd @ 2°C w/custody seals intact - BB 11/25/97

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5921	PBOW97-PB-BED-MW16-BW-5921-TB	23-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		pH<2
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		pH<2
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10032

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5680	PBOW97-PB-WA-MW2-GW-5680-REG	23-NOV-97	09:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		Run Hardness w/
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total Metals
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5670	PBOW97-PB-WA-MW1-GW-5670-REG	23-NOV-97	10:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	PCBs by SW8081 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml A GLASS	1	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	500 ml HDPE	1	NaOH to pH12	Total Cyanide by SW-846 9010A in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	1	NONE	Nitroaromatics by SW-846 8330 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	Total dissolved solids by E160.1 in water	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	500 ml HDPE	1	pH<2 H2SO4	TOC by SW-9060 in water	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10032

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	1000 ml HDPE	1	NONE	Total suspended solids by E160.2	N		
5590	PBOW97-IT-MW09-GW-5590-REG	21-NOV-97	16:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5630	PBOW97-PB-TNTC-MW3-GW-5630-REG	21-NOV-97	07:30	1000 ml HDPE	1	NONE	ALKALINITY by E310.1 in water	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10033

Project Number: 771481

Project Name: PLUMBROOK ORDNANCE WORKS

Sample Coordinator: Bruce Bundt

Turnaround Time:

Samples Shipment Date: 24-NOV-97

Lab Destination: Quanterra - Tampa

Lab Contact: Nancy Robertson

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852814

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions: Nitrate - 48 Hour Hold; SAMPLE # 5920 =LIQUID-PHASE HYDROCARBON WELL!!

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-24-97 Time: 1630	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: Chloride, Nitrate, and Sulfate combined in 1 L HDP

- date + time modifications, initiated.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil CID	Condition On Receipt
5590	PBOW97-IT-MW09-GW-5590-REG	24-NOV-97	0800	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5590	PBOW97-IT-MW09-GW-5590-REG	24-NOV-97	0800	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5590	PBOW97-IT-MW09-GW-5590-REG	24-NOV-97	0800	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5640	PBOW97-PB-TNTC-MW4-GW-5640-REG	24-NOV-97	07:45	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5680	PBOW97-PB-WA-MW2-GW-5680-REG	24-NOV-97	09:00	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5680	PBOW97-PB-WA-MW2-GW-5680-REG	24-NOV-97	09:00	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5680	PBOW97-PB-WA-MW2-GW-5680-REG	24-NOV-97	09:00	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Chloride by E 325.3 in water	N	
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Nitrate by E353.2 in water	N	
5920	PBOW97-PB-BED-MW16-GW-5920-REG	24-NOV-97	08:30	1000 ml HDPE	1	NONE	Sulfate by E375.3 in water	N	

FROM : IT Corp-Walcl Site PHONE NO. : 304 675 4236 Nov. 25 1997 08:09AM P5

Quanterra Incorporated
13715 Rider Trail North
Earth City, Missouri 63045

314 298-8566 Telephone
314 298-8757 Fax

Quanterra
Environmental Services

Revised
CASE NARRATIVE

Quanterra Environmental Services
5815 Middlebrook Pike
Knoxville, TN 37921

December 29, 1997

Attention: John Reynolds

SDG Number	: 16386
St Louis Project Number	: 589.06
Number of Samples	: One (1)
Date Received	: December 2, 1995
Sample type	: Water

INTRODUCTION

The following sample from the Quanterra Middlebrook Laboratory was received at Quanterra, St. Louis for Alkalinity, Hardness, Chloride, Sulfate, Total Dissolved Solids, Total Suspended Solids and Total Organic Carbon. **The analytical results and corresponding case narrative was originally submitted on December 19, 1997. Due to an oversight on our part, a nonconformance regarding the TDS and TSS analyses was not included in the original case narrative, therefore, we are submitting a revised narrative.**

Reviewed and Approved

Sara Andress for Allen Field
Allen M. Field
Project Manager

INTRODUCTION (continued)

The samples were labeled as follows:

Client ID	Lab ID
5970	16386-001

ANALYTICAL RESULTS/METHODOLOGY

The analytical results are presented in the attached report. This report includes information on client identification numbers, lab identification numbers, preparation date, analysis date, results, units, and results for quality control samples.

The following table is a list of the analyses requested and the methods used for the above samples:

Analysis	Method
Alkalinity	EPA 310.1
Hardness	EPA 130.2
Chloride	EPA 300.0
Sulfate	EPA 375.4
Total Dissolved Solids	EPA 160.1
Total Suspended Solids	EPA 160.2
Total Organic Carbon	EPA 9060

QUALITY CONTROL

A method blank and laboratory control sample was analyzed with the sample per analysis.

NONCONFORMANCE

Sample 16386-001 was collected on November 21, 1997 but was not received by the laboratory until December 2, 1997 (11 days in transit). Due to the short holding time period for the TDS and TSS analyses (7days), the sample was received outside of the holding time period.

COMMENTS

Login 16386 was received at a temperature of 6°C.

Analytical Notes

No notes were observed associated with the analysis of these samples.

QUALIFIERS AND DEFINITIONS

ND	=	Compound was analyzed for but not detected.
BLK	=	Quality Control Blank
LCS	=	Laboratory Control Sample
Qual.	=	Qualifier
ug/L	=	microgram per liter

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: ALKALINITY
Method: EPA 310.1
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	487	MG/L		5.00	1
NA	QCBLK160007-1	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	5.00	MG/L	U	5.00	1
NA	QCLCS160007-1	Alkalinity	T-005	QCBLK160001-1	12/03/97	12/03/97	90	%REC			1

Quanterra Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: HARDNESS
Method: EPA 130.2
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	484	MG/L		1.00	1
NA	QCBLK160565-1	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	1.00	MG/L	U	1.00	1
NA	QCLCS160565-1	Hardness	11-02-9	QCBLK160565-1	12/11/97	12/17/97	98	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Sulfate
Method: EPA 375.4
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	13.9	MG/L		5.00	1
NA	QCBLK160152-1	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	5.00	MG/L	U	5.00	1
NA	QCLCS160152-1	Sulfate	14808-79-8	QCBLK160152-1	12/04/97	12/12/97	98	%REC			1

Quanterra Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: TDS
Method: EPA 160.1
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	570	MG/L		5.00	1
NA	QCBLK160006-1	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	5.00	MG/L	U	5.00	1
NA	QCLCS160006-1	Total Dissolved	C-010	QCBLK160006-1	12/03/97	12/03/97	98	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: TSS
Method: EPA 160.2
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	35.0	MG/L		1.00	1
NA	QCBLK160005-1	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	1.00	MG/L	U	1.00	1
NA	QCLCS160005-1	Total Suspended	C-009	QCBLK160005-1	12/03/97	12/03/97	100	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Total Organic Carbon
Method: EPA 9060
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	2.50	MG/L		1.00	1
NA	QCBLK160522-1	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	1.00	MG/L	U	1.00	1
NA	QCLCS160522-1	Total Organic C	C-012	QCBLK160522-1	12/10/97	12/10/97	102	%REC			1

Quanterra
Environmental Services

Quanterra, Middlebrook
5815 Middlebrook Pike
Knoxville, TN 37921

Project: 589.06

Category: Anions - EPA 300.0
Method: EPA 300.0
Matrix: Water

Sample Date : 11/21/97
Receipt Date : 12/02/97
Report Date : 12/29/97

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil.
5970	16386-001	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	56.9	MG/L		4.00	20
NA	QCBLK160267-1	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	0.20	MG/L	U	0.20	1
NA	QCLCS160267-1	Chloride	16887-00-6	QCBLK160267-1	12/03/97	12/03/97	94	%REC			1

Quanterra December 03, 1997 08:10 am
Account: 10640 Project: 589.06 Quanterra, Middlebrook QAS No. 589.06 Rev. 0
Master Sample Login: 16386

Project Manager: A. Field

Draft: Final: Entered and Reviewed by: Sue Wilson PM Review: Allen McField

Sample Header Template:

Sample No. #	Client ID / Comments / Container Type	Analysis	C-Matrix / Class	Date: Collected / Preservative	Received / Anal. Due Date	Due / Hold Date	Shipper / Site	Rad Category / (Container Numbers:% Filled)	Rad Sample No.
16386-001	5970		Water	21-NOV-97 12:00	02-DEC-97 08:00	22-DEC-97	AIRBORNE	1	Screening not Required
RUN TOC 4 TIMES.									
1	PN - Plastic-1L	ALK/310.1/Q4	S	COLD	18-DEC-97	05-DEC-97	S3B	(343581:99)	
1		CL/300.0/Q4	S	COLD	18-DEC-97	19-DEC-97	S3B	(343584:98)	
1		HARD/130.2/Q4	S	HNO3	18-DEC-97	20-MAY-98	S3B	(343582:99)	
1		RAD/CSCREEN/Q4	S	HNO3	18-DEC-97	31-MAY-98	S3B	(343582:99)	
1		SO4/375.4/Q4	S	COLD	18-DEC-97	19-DEC-97	S3B	(343584:98)	
1		TDS/160.1/Q4	S	COLD	18-DEC-97	28-NOV-97	S3B	(343581:99)	
1		TSS/160.2/Q4	S	COLD	18-DEC-97	28-NOV-97	S3B	(343581:99)	
1	PN - Plastic-500ml	TOC/9060/Q4	S	H2SO4	18-DEC-97	19-DEC-97	S3B	(343583:99)	

3*=Sample has not been rad screened.

Quanterra Environmental Services
5815 Middlebrook Pike
Knoxville, Tennessee 37921
(423) 588-6401

Shelf (S3B)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 3826
Page 1 of ___

Project Name/No. [1] I.T. / PBOW
Sample Team Members [2] —
Profit Center No. [3] —
Project Manager [4] —
Purchase Order No. [6] —
Required Report Date [11] PKG/EDD due 12/22/97

Samples Shipment Date [7] 12/1/97
Lab Destination [8] QUANTERRA - ST. LOUIS
Lab Contact [9] ALLEN FIELD
Project Contact/Phone [12] —
Carrier/Waybill No. [13]

Bill to: [5] QUANTERRA - KNOXVILLE, TN.
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN 37921
ATTN JOHN REYNOLDS

Report to: [10] SAME AS ABOVE

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
5970	CABID; CE76J	11/21/97 12:00	1 L Poly	—	HNO_3	HARDNESS - 130.2	✓ 1 X 1L poly	100% PH-1
↓	↓	↓	500 ml	Poly	H_2SO_4	✓TOC - 9060	✓ 1 X 500 ml poly	100% PH-1
			1L Poly	—	—	✓TSS - 160.1	✓	
			1L Poly	—	—	✓TDS - 160.2	✓	
			1L Poly	—	—	✓SULFATE - 375.4	✓	
			1L Poly	—	—	✓CHLORIDE - 300.0	→ 1 X 1L poly	100% PH-7
↓	↓	↓	1L Poly	—	—	✓ALKALINITY - 310.1	→ 1 X 1L poly	100% PH-7

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

Turnaround Time Required: [26]
Normal ☑ Rush ☐ PER SDG due 12/22/97

QC Level: [27]
I. ☐ II. ☐ III. ☑ Project Specific (specify): FULL RAW DATA PACKAGE W/ EDD

1. Relinquished by [28] (Signature/Affiliation) John Zak QKNX Date: 12/1/97 Time: 12:00	1. Received by [28] (Signature/Affiliation) Benjamin Boyle Date: 12-2-97 Time: 0800
2. Relinquished by (Signature/Affiliation) Date: Time:	2. Received by (Signature/Affiliation) Date: Time:
3. Relinquished by (Signature/Affiliation) Date: Time:	3. Received by (Signature/Affiliation) Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

Quanterra
Environmental Services

013507

Login No.: 16386

Condition Upon Receipt Variance Report
St. Louis Laboratory

Client: Quanterra Knoxville

Date: 12-2-97 Time: 0800

Project No: 589.06

Initiated by: [signature]

Shipper/No: 4707743-13 2

RFA/COC Numbers: 3826

Condition/Variance (Check all that apply):

1. ☐ Sample received broken/leaking.
2. ☐ Sample received without proper preservative.
   - ☐ Cooler temperature not within 4°C ± 2°C
     Record temperature: _____
   - ☐ pH _____
   - ☐ other: _____
3. ☐ Sample received in improper container.
4. ☐ Sample received without proper paperwork. Explain: _____
5. ☐ Paperwork received without sample.
6. ☐ No sample ID on sample container.
7. ☐ Custody tape disturbed/broken/missing.
8. ☐ Sample ID on container does not match sample ID on paperwork. Explain: _____
9. ☐ All coolers on airbill not received with shipment.
10. ☐ Other (explain below):

☑ No variances were noted during sample receipt. Cooler Temperature Upon Receipt: 6°

Notes:

Corrective Action:

☐ Client's Name: _____ Informed verbally on: _____ By: _____

☐ Client's Name: _____ Informed in writing on: _____ By: _____

☐ Sample(s) processed "as is".

☐ Sample(s) on hold until: _____ If released, notify: _____

Sample Control Supervisor Review: for designee [signature] Date: 12-2-97

Project Management Review: [signature] Date: 12-2-97

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SL-ADMIN-0004, Revised 11/24/95

ENCLOSURE 2.

rec'd 12/30/97

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

COVER PAGE

Laboratory Number 131462

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 771481
Location: Plumbrook Ordnance Works

Sample ID	Lab ID
5562	131462-001
5612	131462-002
5613	131462-003

I certify that this data package has been reviewed for technical correctness and completeness. Please see attached narrative for a discussion of any analytical problems related to this sample set. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____ Date: 12/23/97
Title: Operations Manager

Signature: Carol Wortham Date: 12/23/97
Title: Project Manager

Berkeley Irvine

Curtis & Tompkins, Ltd.

Laboratory Numbers: 131462
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 771481

Sampled Date:11/18-19/97
Received Date: 11/20/97

CASE NARRATIVE

This hardcopy data package contains sample and QC results for three water samples which were received from the site referenced above on November 20, 1997. The samples were received cold and intact.

Volatiles (EPA 8260): No analytical problems were encountered.

Semi-volatiles (EPA 8270): A high spike recovery was observed for 4-nitrophenol in the blank spike (CT#QC59374). This should not affect the quality of the data as the recovery was below 100% and the samples were all non-detect. No other analytical problems were encountered.

PCBs (EPA 8080): High response was observed for Aroclor 1016 in the continuing calibration verifications which were analyzed on November 24-25, 1997. This should not affect the quality of the data as this Aroclor was not detected in the samples. No other analytical problems were encountered.

Metals (EPA 6010A/7470): Relative percent differences (%RPDs) outside QC limits was observed for aluminum in batch 37797 and for potassium in batch 37796. Low recovery was observed for silver in the matrix spike of 5562 (CT#131462-001) in batch 37796. The spike recoveries for calcium in batch 37796 and for calcium and iron in batch 37797 are considered not meaningful (NM) as the sample concentrations are four times greater than the spiked levels. No analytical problems were encountered.

Nitroaromatics and Nitramines (EPA 8330): Two samples were subcontracted to Quanterra Environmental Services for analysis.

INTERNATIONAL TECHNOLOGY CORPORATION

131462

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10027

Project Number: 771481

Samples Shipment Date: 19-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: Quanterra - Knoxville

Sample Coordinator: ~~Dave Purcell~~ Brice Bundt

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Arrant/Kim NAPIER

Carrier/Waybill No.: Fed Ex/800185090631

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN 37923

Special Instructions: CURTIS AND TOMPKINS, LTD., BERKLEY, CA

Possible Hazard Indentification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown ✓

Sample Disposal:

Return to Client | Disposal by Lab | ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 11-19-97 Time: 16:30

2. Relinquished By (Signature/Affiliation) Date: Time:

3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 11/20/97 Time: 0900

2. Received By (Signature/Affiliation) Date: Time:

3. Received By (Signature/Affiliation) Date: Time:

Comments: USACE FIELD SPLIT SAMPLES

TAL METALS: 1L = Filtered for "TOTAL"
1L = UNFILTERED for "DISSOLVED"

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5562	PBOW97-IT-MW06-GW-5562-FS	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		
5562	PBOW97-IT-MW06-GW-5562-FS	19-NOV-97	11:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5562	PBOW97-IT-MW06-GW-5562-FS	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5562	PBOW97-IT-MW06-GW-5562-FS	19-NOV-97	11:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5562	PBOW97-IT-MW06-GW-5562-FS	19-NOV-97	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5612	PBOW97-PB-TNTA-MW10-GW-5612-FS	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		
5612	PBOW97-PB-TNTA-MW10-GW-5612-FS	18-NOV-97	14:15	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5612	PBOW97-PB-TNTA-MW10-GW-5612-FS	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5612	PBOW97-PB-TNTA-MW10-GW-5612-FS	18-NOV-97	14:15	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5612	PBOW97-PB-TNTA-MW10-GW-5612-FS	18-NOV-97	14:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5613	PBOW97-PB-TNTA-MW10-BW-5613-TB	18-NOV-97	07:15	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

003

771481

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 131462 Date Received: 11/20 Number of Coolers: 1
Client: FT Project: 771481 Plumbrook

A. Preliminary Examination Phase
Date Opened: 11/20 By (print): Justin (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES NO
   If YES, enter carrier name and airbill number: Fed ex 800185090631
2. Were custody seals on outside of cooler? ..... YES NO
   How many and where? Front Seal date: 11/19 Seal name:
3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO
4. Were custody papers dry and intact when received? ..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... YES NO
6. Did you sign the custody papers in the appropriate place? ..... YES NO
7. Was project identifiable from custody papers? ..... YES NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? ..... YES NO
   Type of ice: cube Temperature: 4.75°C

B. Login Phase
Date Logged In: 11/20 By (print): Justin (sign) [signature]

1. Describe type of packing in cooler: Vermiculite
2. Did all bottles arrive unbroken? ..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... YES NO
4. Did bottle labels agree with custody papers? ..... YES NO
5. Were appropriate containers used for the tests indicated? ..... YES NO
6. Were correct preservatives added to samples? ..... YES NO
7. Was sufficient amount of sample sent for tests indicated? ..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... YES NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? By whom? Date:

Additional Comments:

CUSTODY SEE

Filename: F:\qc\forms\cooler.wpd

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5562
Lab ID: 131462-001
Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 1

Sampled: 11/19/97
Received: 11/20/97
Extracted: 11/26/97
Analyzed: 11/26/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	103	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	98	80-121
Dibromofluoromethane	107	88-118

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5612
Lab ID: 131462-002
Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 1

Sampled: 11/18/97
Received: 11/20/97
Extracted: 11/26/97
Analyzed: 11/26/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	30	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	101	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	104	88-118

Volatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8260
Project#:	771481	Prep Method:	EPA 5030
Location:	Plumbrook Ordnance Works		

Field ID:	5613	Sampled:	11/18/97
Lab ID:	131462-003	Received:	11/20/97
Matrix:	Water	Extracted:	11/26/97
Batch#:	37779	Analyzed:	11/26/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	103	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	106	88-118

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 1

Prep Date: 11/26/97
Analysis Date: 11/26/97

MB Lab ID: QC59586

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	101	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	103	88-118

EPA 8260 Volatile Organics

Client:	IT Corporation	Analysis Method:	EPA 8260
Project#:	771481	Prep Method:	EPA 5030
Location:	Plumbrook Ordnance Works		

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	11/26/97
Batch#:	37779	Analysis Date:	11/26/97
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC59584

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	52.88	106	73-141
Trichloroethene	50	50.42	101	84-113
Benzene	50	50.91	102	86-116
Toluene	50	50.77	102	83-118
Chlorobenzene	50	52.29	105	87-117

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	100	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	103	88-118

BSD Lab ID: QC59585

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	52.09	104	73-141	1	14
Trichloroethene	50	50.36	101	84-113	0	14
Benzene	50	50.81	102	86-116	0	11
Toluene	50	50.62	101	83-118	0	13
Chlorobenzene	50	52.36	105	87-117	0	13

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	101	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	103	88-118

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works		

Field ID:	5562	Sampled:	11/19/97
Lab ID:	131462-001	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	11
2-Chlorophenol	ND	11
2-Methylphenol	ND	11
3,4-Methylphenol	ND	11
2-Nitrophenol	ND	53
2,4-Dimethylphenol	ND	11
2,4-Dichlorophenol	ND	11
4-Chloro-3-methylphenol	ND	11
2,4,6-Trichlorophenol	ND	11
2,4,5-Trichlorophenol	ND	11
2,4-Dinitrophenol	ND	53
4-Nitrophenol	ND	53
4,6-Dinitro-2-methylphenol	ND	53
Pentachlorophenol	ND	53
bis(2-Chloroethyl)ether	ND	11
1,3-Dichlorobenzene	ND	11
1,4-Dichlorobenzene	ND	11
1,2-Dichlorobenzene	ND	11
bis(2-Chloroisopropyl) ether	ND	11
N-Nitroso-di-n-propylamine	ND	11
Hexachloroethane	ND	11
Nitrobenzene	ND	11
Isophorone	ND	11
bis(2-Chloroethoxy)methane	ND	11
1,2,4-Trichlorobenzene	ND	11
Naphthalene	ND	11
4-Chloroaniline	ND	11
Hexachlorobutadiene	ND	11
2-Methylnaphthalene	ND	11
Hexachlorocyclopentadiene	ND	53
2-Chloronaphthalene	ND	11
2-Nitroaniline	ND	53
Dimethylphthalate	ND	11
Acenaphthylene	ND	11
2,6-Dinitrotoluene	ND	11
3-Nitroaniline	ND	53
Acenaphthene	ND	11
Dibenzofuran	ND	11

Semivolatile Organics by GC/MS

Field ID:	5562	Sampled:	11/19/97
Lab ID:	131462-001	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	ND	11
Diethylphthalate	ND	11
4-Chlorophenyl-phenylether	ND	11
Fluorene	ND	11
4-Nitroaniline	ND	53
N-Nitrosodiphenylamine	ND	11
4-Bromophenyl-phenylether	ND	11
Hexachlorobenzene	ND	11
Phenanthrene	ND	11
Anthracene	ND	11
Di-n-butylphthalate	ND	11
Fluoranthene	ND	11
Carbazole	ND	11
Pyrene	ND	11
Butylbenzylphthalate	ND	11
3,3'-Dichlorobenzidine	ND	53
Benzo(a)anthracene	ND	11
Chrysene	ND	11
bis(2-Ethylhexyl)phthalate	ND	11
Di-n-octylphthalate	ND	11
Benzo(b,k)fluoranthene	ND	11
Benzo(a)pyrene	ND	11
Indeno(1,2,3-cd)pyrene	ND	11
Dibenz(a,h)anthracene	ND	11
Benzo(g,h,i)perylene	ND	11

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	77	21-110
Phenol-d5	81	10-110
2,4,6-Tribromophenol	77	10-123
Nitrobenzene-d5	81	35-114
2-Fluorobiphenyl	86	43-116
Terphenyl-d14	83	33-141

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works		

Field ID:	5612	Sampled:	11/18/97
Lab ID:	131462-002	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	11
2-Chlorophenol	ND	11
2-Methylphenol	ND	11
3,4-Methylphenol	ND	11
2-Nitrophenol	ND	54
2,4-Dimethylphenol	ND	11
2,4-Dichlorophenol	ND	11
4-Chloro-3-methylphenol	ND	11
2,4,6-Trichlorophenol	ND	11
2,4,5-Trichlorophenol	ND	11
2,4-Dinitrophenol	ND	54
4-Nitrophenol	ND	54
4,6-Dinitro-2-methylphenol	ND	54
Pentachlorophenol	ND	54
bis(2-Chloroethyl)ether	ND	11
1,3-Dichlorobenzene	ND	11
1,4-Dichlorobenzene	ND	11
1,2-Dichlorobenzene	ND	11
bis(2-Chloroisopropyl) ether	ND	11
N-Nitroso-di-n-propylamine	ND	11
Hexachloroethane	ND	11
Nitrobenzene	ND	11
Isophorone	ND	11
bis(2-Chloroethoxy)methane	ND	11
1,2,4-Trichlorobenzene	ND	11
Naphthalene	ND	11
4-Chloroaniline	ND	11
Hexachlorobutadiene	ND	11
2-Methylnaphthalene	ND	11
Hexachlorocyclopentadiene	ND	54
2-Chloronaphthalene	ND	11
2-Nitroaniline	ND	54
Dimethylphthalate	ND	11
Acenaphthylene	ND	11
2,6-Dinitrotoluene	ND	11
3-Nitroaniline	ND	54
Acenaphthene	ND	11
Dibenzofuran	ND	11

Semivolatile Organics by GC/MS

Field ID:	5612	Sampled:	11/18/97
Lab ID:	131462-002	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	ND	11
Diethylphthalate	ND	11
4-Chlorophenyl-phenylether	ND	11
Fluorene	ND	11
4-Nitroaniline	ND	54
N-Nitrosodiphenylamine	ND	11
4-Bromophenyl-phenylether	ND	11
Hexachlorobenzene	ND	11
Phenanthrene	ND	11
Anthracene	ND	11
Di-n-butylphthalate	ND	11
Fluoranthene	ND	11
Carbazole	ND	11
Pyrene	ND	11
Butylbenzylphthalate	ND	11
3,3'-Dichlorobenzidine	ND	54
Benzo(a)anthracene	ND	11
Chrysene	ND	11
bis(2-Ethylhexyl)phthalate	ND	11
Di-n-octylphthalate	ND	11
Benzo(b,k)fluoranthene	ND	11
Benzo(a)pyrene	ND	11
Indeno(1,2,3-cd)pyrene	ND	11
Dibenz(a,h)anthracene	ND	11
Benzo(g,h,i)perylene	ND	11

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	58	21-110
Phenol-d5	63	10-110
2,4,6-Tribromophenol	78	10-123
Nitrobenzene-d5	68	35-114
2-Fluorobiphenyl	79	43-116
Terphenyl-d14	74	33-141

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	50
4-Nitrophenol	ND	50
4,6-Dinitro-2-methylphenol	ND	50
Pentachlorophenol	ND	50
bis(2-Chloroethyl)ether	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-Chloroisopropyl) ether	ND	10
N-Nitroso-di-n-propylamine	ND	10
Hexachloroethane	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	50
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	50
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	50
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Carbazole	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	50
Benzo(a)anthracene	ND	10
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b,k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%Rec	Recovery Limits
2-Fluorophenol	78	21-110
Phenol-d5	82	10-110
2,4,6-Tribromophenol	90	10-123
Nitrobenzene-d5	82	35-114
2-Fluorobiphenyl	87	43-116
Terphenyl-d14	99	33-141

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

BS Lab ID: QC59374

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	66.62	67		12-110
2-Chlorophenol	100	69.43	69		27-123
4-Chloro-3-methylphenol	100	74.86	75		23-97
4-Nitrophenol	100	67.4	67		10-80
Pentachlorophenol	100	60.31	60		9-103
1,4-Dichlorobenzene	50	31	62		36-97
N-Nitroso-di-n-propylamine	50	28.95	58		41-116
1,2,4-Trichlorobenzene	50	31.87	64		39-98
Acenaphthene	50	37.49	75		46-118
2,4-Dinitrotoluene	50	35.85	72		24-96
Pyrene	50	41.82	84		26-127

Surrogate	%Rec	Limits
2-Fluorophenol	62	21-110
Phenol-d5	69	10-110
2,4,6-Tribromophenol	81	10-123
Nitrobenzene-d5	71	35-114
2-Fluorobiphenyl	74	43-116
Terphenyl-d14	90	33-141

BSD Lab ID: QC59375

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	82.19	82		12-110	21		42
2-Chlorophenol	100	86.12	86		27-123	21		40
4-Chloro-3-methylphenol	100	88.86	89		23-97	17		42
4-Nitrophenol	100	80.79	81	*	10-80	18		50
Pentachlorophenol	100	73.87	74		9-103	20		50
1,4-Dichlorobenzene	50	39.17	78		36-97	23		28
N-Nitroso-di-n-propylamine	50	34.83	70		41-116	18		38
1,2,4-Trichlorobenzene	50	39.83	80		39-98	22		28
Acenaphthene	50	45.3	91		46-118	19		31
2,4-Dinitrotoluene	50	42.62	85		24-96	17		38
Pyrene	50	49.85	100		26-127	18		31

Surrogate	%Rec	Limits
2-Fluorophenol	81	21-110
Phenol-d5	87	10-110
2,4,6-Tribromophenol	94	10-123
Nitrobenzene-d5	86	35-114
2-Fluorobiphenyl	91	43-116
Terphenyl-d14	107	33-141

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: 1 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5562	Sampled:	11/19/97
Lab ID:	131462-001	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.0
Aroclor-1221	ND	1.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

Surrogate	%Recovery	Recovery Limits
TCMX	82	60-150
Decachlorobiphenyl	70	30-130

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5612	Sampled:	11/18/97
Lab ID:	131462-002	Received:	11/20/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.1
Aroclor-1221	ND	1.1
Aroclor-1232	ND	1.1
Aroclor-1242	ND	1.1
Aroclor-1248	ND	1.1
Aroclor-1254	ND	1.1
Aroclor-1260	ND	1.1

Surrogate	%Recovery	Recovery Limits
TCMX	83	60-150
Decachlorobiphenyl	62	30-130

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

METHOD BLANK

Matrix:	Water	Prep Date:	11/21/97
Batch#:	37716	Analysis Date:	11/25/97
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC59376

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.0
Aroclor-1221	ND	1.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

Surrogate	%Rec	Recovery Limits
TCMX	73	60-150
Decachlorobiphenyl	47	30-130

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	11/21/97
Batch#:	37716	Analysis Date:	11/25/97
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC59377

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4.8	95		50-128

Surrogate	%Rec	Limits
TCMX	70	60-150
Decachlorobiphenyl	54	30-130

BSD Lab ID: QC59378

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.9	98		50-128	3		20

Surrogate	%Rec	Limits
TCMX	80	60-150
Decachlorobiphenyl	74	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Curtis & Tompkins, Ltd.

SAMPLE ID: 5562
LAB ID: 131462-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/19/97
DATE RECEIVED: 11/20/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	210	100	1	37796	EPA 6010A	12/01/97
Antimony	ND	60	1	37796	EPA 6010A	11/26/97
Arsenic	ND	5.0	1	37796	EPA 6010A	12/01/97
Barium	54	10	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2.0	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5.0	1	37796	EPA 6010A	11/26/97
Calcium	110000	500	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	1	37796	EPA 6010A	11/26/97
Copper	ND	10	1	37796	EPA 6010A	11/26/97
Iron	ND	100	1	37796	EPA 6010A	12/01/97
Lead	ND	3.0	1	37796	EPA 6010A	11/26/97
Magnesium	21000	500	1	37796	EPA 6010A	11/26/97
Manganese	11	10	1	37796	EPA 6010A	11/26/97
Mercury	ND	0.20	1	37706	EPA 7470	11/21/97
Molybdenum	ND	20	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	1	37796	EPA 6010A	11/26/97
Potassium	780	500	1	37796	EPA 6010A	12/01/97
Selenium	7.3	5.0	1	37796	EPA 6010A	11/26/97
Silver	ND	5.0	1	37796	EPA 6010A	12/01/97
Sodium	1900	500	1	37796	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5562
LAB ID: 131462-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/19/97
DATE RECEIVED: 11/20/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	260	100	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5.0	1	37797	EPA 6010A	12/01/97
Barium	52	10	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2.0	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5.0	1	37797	EPA 6010A	12/01/97
Calcium	100000	500	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	1	37797	EPA 6010A	12/01/97
Copper	ND	10	1	37797	EPA 6010A	12/01/97
Iron	ND	100	1	37797	EPA 6010A	12/01/97
Lead	ND	3.0	1	37797	EPA 6010A	12/01/97
Magnesium	20000	500	1	37797	EPA 6010A	12/01/97
Manganese	10	10	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.20	1	37704	EPA 7470	11/21/97
Molybdenum	ND	20	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	1	37797	EPA 6010A	12/01/97
Potassium	ND	500	1	37797	EPA 6010A	12/01/97
Selenium	ND	5.0	1	37797	EPA 6010A	12/01/97
Silver	ND	5.0	1	37797	EPA 6010A	12/01/97
Sodium	2700	500	1	37797	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	1	37797	EPA 6010A	12/01/97
Zinc	ND	20	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5612
LAB ID: 131462-002
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/18/97
DATE RECEIVED: 11/20/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	350	100	1	37796	EPA 6010A	12/01/97
Antimony	ND	60	1	37796	EPA 6010A	11/26/97
Arsenic	ND	5.0	1	37796	EPA 6010A	12/01/97
Barium	380	10	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2.0	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5.0	1	37796	EPA 6010A	11/26/97
Calcium	160000	500	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	1	37796	EPA 6010A	11/26/97
Copper	ND	10	1	37796	EPA 6010A	11/26/97
Iron	10000	100	1	37796	EPA 6010A	12/01/97
Lead	ND	3.0	1	37796	EPA 6010A	12/01/97
Magnesium	52000	500	1	37796	EPA 6010A	11/26/97
Manganese	1400	10	1	37796	EPA 6010A	11/26/97
Mercury	ND	0.20	1	37706	EPA 7470	11/21/97
Molybdenum	ND	20	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	1	37796	EPA 6010A	11/26/97
Potassium	4800	500	1	37796	EPA 6010A	12/01/97
Selenium	24	5.0	1	37796	EPA 6010A	11/26/97
Silver	ND	5.0	1	37796	EPA 6010A	12/01/97
Sodium	42000	500	1	37796	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5612
LAB ID: 131462-002
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/18/97
DATE RECEIVED: 11/20/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	440	100	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5.0	1	37797	EPA 6010A	12/01/97
Barium	360	10	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2.0	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5.0	1	37797	EPA 6010A	12/01/97
Calcium	160000	500	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	1	37797	EPA 6010A	12/01/97
Copper	ND	10	1	37797	EPA 6010A	12/01/97
Iron	11000	100	1	37797	EPA 6010A	12/01/97
Lead	3.8	3.0	1	37797	EPA 6010A	12/01/97
Magnesium	52000	500	1	37797	EPA 6010A	12/01/97
Manganese	1400	10	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.20	1	37704	EPA 7470	11/21/97
Molybdenum	ND	20	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	1	37797	EPA 6010A	12/01/97
Potassium	4200	500	1	37797	EPA 6010A	12/01/97
Selenium	ND	5.0	1	37797	EPA 6010A	12/01/97
Silver	ND	5.0	1	37797	EPA 6010A	12/01/97
Sodium	39000	500	1	37797	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	1	37797	EPA 6010A	12/01/97
Zinc	28	20	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Aluminum	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	ug/L	1	37796	EPA 6010A	11/26/97
Antimony	ND	60	ug/L	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Barium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Barium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2	ug/L	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2	ug/L	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Calcium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Calcium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Copper	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Copper	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Lead	ND	3	ug/L	1	37796	EPA 6010A	11/26/97
Lead	ND	3	ug/L	1	37797	EPA 6010A	12/01/97
Magnesium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Magnesium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Manganese	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Manganese	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.2	ug/L	1	37704	EPA 7470	11/21/97
Mercury	ND	0.2	ug/L	1	37706	EPA 7470	11/21/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Molybdenum	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Selenium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Selenium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Thallium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Thallium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Zinc	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	ug/L	1	37797	EPA 6010A	12/01/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Compound	Sample	Sample Result	Spike Amount	MS Result	MSD Result	Units	MS% Rec.	MSD% Rec.	Rec. Limit	RPD %	RPD Lim	QC Batch	Method	Analysis Date
Mercury	131460-001	<0.200	5	4.33	4.248	ug/L	87	85	65-135	2	35	37704	EPA 7470	11/21/97
Mercury	131460-001	<0.200	5	4.322	4.224	ug/L	86	85	65-135	2	35	37706	EPA 7470	11/21/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS% Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	2000	1942	1973	ug/L	97	99	80-120	2	35	37796	EPA 6010A	12/01/97
Aluminum	2000	1939	1967	ug/L	97	98	80-120	1	35	37797	EPA 6010A	12/01/97
Antimony	500	514	572	ug/L	103	114	80-120	11	35	37796	EPA 6010A	11/26/97
Antimony	500	600	549	ug/L	120	110	80-120	9	35	37797	EPA 6010A	12/01/97
Arsenic	2000	2120	2130	ug/L	106	107	80-120	1	35	37796	EPA 6010A	12/01/97
Arsenic	2000	2020	2030	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Barium	2000	2050	2070	ug/L	103	104	80-120	1	35	37796	EPA 6010A	11/26/97
Barium	2000	2000	1990	ug/L	100	100	80-120	1	35	37797	EPA 6010A	12/01/97
Beryllium	50	51	52	ug/L	102	104	80-120	2	35	37796	EPA 6010A	11/26/97
Beryllium	50	51.5	51.5	ug/L	103	103	80-120	0	35	37797	EPA 6010A	12/01/97
Cadmium	50	52.4	53.8	ug/L	105	108	80-120	3	35	37796	EPA 6010A	11/26/97
Cadmium	50	51.1	52	ug/L	102	104	80-120	2	35	37797	EPA 6010A	12/01/97
Calcium	20000	20190	20580	ug/L	101	103	80-120	2	35	37796	EPA 6010A	11/26/97
Calcium	20000	19670	19530	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Chromium (total)	200	201	204	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Chromium (total)	200	200	201	ug/L	100	101	80-120	1	35	37797	EPA 6010A	12/01/97
Cobalt	500	502	515	ug/L	100	103	80-120	3	35	37796	EPA 6010A	11/26/97
Cobalt	500	489	492	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Copper	250	266	267	ug/L	106	107	80-120	0	35	37796	EPA 6010A	11/26/97
Copper	250	262	259	ug/L	105	104	80-120	1	35	37797	EPA 6010A	12/01/97
Iron	1000	973	961.8	ug/L	97	96	80-120	1	35	37796	EPA 6010A	12/01/97
Iron	1000	965.7	962.5	ug/L	97	96	80-120	0	35	37797	EPA 6010A	12/01/97
Lead	500	504	517	ug/L	101	103	80-120	3	35	37796	EPA 6010A	11/26/97
Lead	500	491	489	ug/L	98	98	80-120	0	35	37797	EPA 6010A	12/01/97
Magnesium	20000	21090	21470	ug/L	106	107	80-120	2	35	37796	EPA 6010A	11/26/97
Magnesium	20000	20850	20710	ug/L	104	104	80-120	1	35	37797	EPA 6010A	12/01/97
Manganese	500	496	504	ug/L	99	101	80-120	2	35	37796	EPA 6010A	11/26/97
Manganese	500	494	492	ug/L	99	98	80-120	0	35	37797	EPA 6010A	12/01/97
Mercury	5	4.397	4.339	ug/L	88	87	80-120	1	35	37704	EPA 7470	11/21/97
Mercury	5	4.453	4.42	ug/L	89	88	80-120	1	35	37706	EPA 7470	11/21/97
Molybdenum	400	410	418	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Molybdenum	400	399	400	ug/L	100	100	80-120	0	35	37797	EPA 6010A	12/01/97
Nickel	500	512	523	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Nickel	500	504	510	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Potassium	20000	19790	20100	ug/L	99	101	80-120	2	35	37796	EPA 6010A	12/01/97
Potassium	20000	19500	20000	ug/L	98	100	80-120	3	35	37797	EPA 6010A	12/01/97
Selenium	2000	2040	2090	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Selenium	2000	2070	2060	ug/L	104	103	80-120	1	35	37797	EPA 6010A	12/01/97
Silver	100	108	107	ug/L	108	107	80-120	1	35	37796	EPA 6010A	12/01/97
Silver	100	103	102	ug/L	103	102	80-120	1	35	37797	EPA 6010A	12/01/97
Sodium	20000	20930	20940	ug/L	105	105	80-120	0	35	37796	EPA 6010A	12/01/97
Sodium	20000	20810	21110	ug/L	104	106	80-120	1	35	37797	EPA 6010A	12/01/97
Thallium	2000	2230	2280	ug/L	112	114	80-120	2	35	37796	EPA 6010A	11/26/97
Thallium	2000	2070	2070	ug/L	104	104	80-120	0	35	37797	EPA 6010A	12/01/97
Vanadium	500	514	523	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Vanadium	500	505	504	ug/L	101	101	80-120	0	35	37797	EPA 6010A	12/01/97
Zinc	500	504	512	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Zinc	500	491	488	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	131462-001	208.5	214.8	ug/L	3	20	37796	EPA 6010A	12/01/97
Aluminum	131460-001	541.6	365.3	ug/L	39*	20	37797	EPA 6010A	12/01/97
Antimony	131462-001	<60.000	<60.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Antimony	131460-001	<60.000	<60.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Arsenic	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Arsenic	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Barium	131462-001	54	54.2	ug/L	0	20	37796	EPA 6010A	11/26/97
Barium	131460-001	121	104	ug/L	15	20	37797	EPA 6010A	12/01/97
Beryllium	131462-001	<2.000	<2.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Beryllium	131460-001	<2.000	<2.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cadmium	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cadmium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Calcium	131462-001	113500	109900	ug/L	3	20	37796	EPA 6010A	11/26/97
Calcium	131460-001	148200	150500	ug/L	2	20	37797	EPA 6010A	12/01/97
Chromium (total)	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Chromium (total)	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cobalt	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cobalt	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Copper	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Copper	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Iron	131462-001	<100.000	<100.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Iron	131460-001	18060	18150	ug/L	0	20	37797	EPA 6010A	12/01/97
Lead	131462-001	<3.000	<3.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Lead	131460-001	<3.000	<3.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Magnesium	131462-001	21470	20830	ug/L	3	20	37796	EPA 6010A	11/26/97
Magnesium	131460-001	25760	26040	ug/L	1	20	37797	EPA 6010A	12/01/97
Manganese	131462-001	11.3	11.1	ug/L	2	20	37796	EPA 6010A	11/26/97
Manganese	131460-001	353	356	ug/L	1	20	37797	EPA 6010A	12/01/97
Mercury	131460-001	<0.200	<0.200	ug/L	NC	20	37706	EPA 7470	11/21/97
Molybdenum	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Molybdenum	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Nickel	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Nickel	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Potassium	131462-001	782	594.5	ug/L	27*	20	37796	EPA 6010A	12/01/97
Potassium	131460-001	708.8	591.9	ug/L	18	20	37797	EPA 6010A	12/01/97
Selenium	131462-001	7.33	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Selenium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Silver	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Silver	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Sodium	131462-001	1875	1962	ug/L	5	20	37796	EPA 6010A	12/01/97
Sodium	131460-001	5891	5703	ug/L	3	20	37797	EPA 6010A	12/01/97
Thallium	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Thallium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Vanadium	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Vanadium	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Zinc	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Zinc	131460-001	103	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131462

DATE REPORTED: 12/22/97

BATCH QC REPORT
SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.		Rec. Limit	QC Batch	Method	Analysis Date
Aluminum	2000	131462-001	208.5	2327	ug/L	106		65-135	37796	EPA 6010A	12/01/97
Aluminum	2000	131460-001	541.6	2218	ug/L	84		65-135	37797	EPA 6010A	12/01/97
Antimony	500	131462-001	<60.000	361	ug/L	72		65-135	37796	EPA 6010A	11/26/97
Antimony	500	131460-001	<60.000	544	ug/L	109		65-135	37797	EPA 6010A	12/01/97
Arsenic	2000	131462-001	<5.000	2290	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Arsenic	2000	131460-001	<5.000	2010	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Barium	2000	131462-001	54	2230	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Barium	2000	131460-001	121	2100	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Beryllium	50	131462-001	<2.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Beryllium	50	131460-001	<2.000	50.3	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Cadmium	50	131462-001	<5.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Cadmium	50	131460-001	<5.000	50.5	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Calcium	20000	131462-001	113500	130800	ug/L	87	NM	65-135	37796	EPA 6010A	11/26/97
Calcium	20000	131460-001	148200	167100	ug/L	95	NM	65-135	37797	EPA 6010A	12/01/97
Chromium (total)	200	131462-001	<10.000	210	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Chromium (total)	200	131460-001	<10.000	197	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Cobalt	500	131462-001	<20.000	525	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Cobalt	500	131460-001	<20.000	480	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Copper	250	131462-001	<10.000	279	ug/L	112		65-135	37796	EPA 6010A	11/26/97
Copper	250	131460-001	<10.000	268	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Iron	1000	131462-001	<100.000	965.9	ug/L	97		65-135	37796	EPA 6010A	12/01/97
Iron	1000	131460-001	18060	18930	ug/L	87	NM	65-135	37797	EPA 6010A	12/01/97
Lead	500	131462-001	<3.000	527	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Lead	500	131460-001	<3.000	482	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Magnesium	20000	131462-001	21470	43490	ug/L	110		65-135	37796	EPA 6010A	11/26/97
Magnesium	20000	131460-001	25760	47200	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Manganese	500	131462-001	11.3	532	ug/L	104		65-135	37796	EPA 6010A	11/26/97
Manganese	500	131460-001	353	841	ug/L	98		65-135	37797	EPA 6010A	12/01/97
Molybdenum	400	131462-001	<20.000	401	ug/L	100		65-135	37796	EPA 6010A	11/26/97
Molybdenum	400	131460-001	<20.000	388	ug/L	97		65-135	37797	EPA 6010A	12/01/97
Nickel	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Nickel	500	131460-001	<20.000	494	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Potassium	20000	131462-001	782	22530	ug/L	109		65-135	37796	EPA 6010A	12/01/97
Potassium	20000	131460-001	708.8	20670	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Selenium	2000	131462-001	7.33	2650	ug/L	132		65-135	37796	EPA 6010A	11/26/97
Selenium	2000	131460-001	<5.000	2050	ug/L	103		65-135	37797	EPA 6010A	12/01/97
Silver	100	131462-001	<5.000	43.1	ug/L	43*		65-135	37796	EPA 6010A	12/01/97
Silver	100	131460-001	<5.000	104	ug/L	104		65-135	37797	EPA 6010A	12/01/97
Sodium	20000	131462-001	1875	24910	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Sodium	20000	131460-001	5891	26320	ug/L	102		65-135	37797	EPA 6010A	12/01/97
Thallium	2000	131462-001	<5.000	2330	ug/L	117		65-135	37796	EPA 6010A	11/26/97
Thallium	2000	131460-001	<5.000	2020	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Vanadium	500	131462-001	<10.000	538	ug/L	108		65-135	37796	EPA 6010A	11/26/97
Vanadium	500	131460-001	<10.000	499	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Zinc	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Zinc	500	131460-001	103	481	ug/L	76		65-135	37797	EPA 6010A	12/01/97

* = Out of Limits
NM = Not Meaningful

Quanterra Environmental Services

Quanterra Incorporated
880 Riverside Parkway
West Sacramento, California 95605

916 373-5600 Telephone
916 372-1059 Fax

December 15, 1997
QUANTERRA INCORPORATED PROJECT NUMBER: **096226**
PO/CONTRACT: **Project #131462**

Carol Wortham
Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710

Dear Ms. Wortham:

This report contains the analytical results for the two samples which were received under chain of custody by Quanterra Incorporated on 21 November 1997.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call.

Sincerely,

Nanny Estrada

Nanny Estrada
Project Manager
Advanced Technology

NE/ct

Quanterra
Environmental Services

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Laboratory QC Reports

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 096226

There were no anomalies associated with this report.

QUANTERRA INCORPORATED QUALITY CONTROL PROGRAM

Quanterra has implemented an extensive Quality Control (QC) program to ensure the production of scientifically sound, legally defensible data of known documentable quality. This QC program is based upon requirements in "Test Methods for Evaluating Solid Waste", USEPA SW-846, Third Edition. It applies whenever SW-846 analytical methods are used. It also applies in whole or in part whenever project requirements fail to specify some aspect of QC practices described here. It does not apply when other well defined QC programs (e.g. CLP or CLP-like) are specified. This is Quanterra's base QC program for environmental analysis.

Definitions:

Quality Control Batch. The quality control (QC) batch is a set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.

Surrogate. A surrogate (or internal standard) is an organic compound similar in chemical behavior to the target analyte, but not normally found in environmental samples. Surrogates (or IS) are added to all samples in a batch to monitor the effects of both the matrix and the analytical process on accuracy.

Method Blank. A method blank (MB) is a control sample prepared using the same reagents used for the samples. As part of the QC batch, it accompanies the samples through all steps of the sample extraction and cleanup procedure. The method blank is used to monitor the level of contamination introduced to a batch of samples as a result of processing in the laboratory.

Laboratory Control Sample. A laboratory control sample (LCS) is prepared using a well characterized matrix (e.g., reagent water or Ottawa sand) that is spiked with known amounts of representative analytes. Alternate matrices (e.g., glass beads) may be used for soil analyses when Ottawa sand is not appropriate. As part of a QC batch, it accompanies the samples through all steps of the sample extraction and cleanup process. The LCS is used to monitor the accuracy of the analytical process independent of possible interference effects due to sample matrix.

Duplicate Control Sample. A duplicate laboratory control sample (DCS) consists of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects.

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Curtis & Tompkins, Ltd.

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
096226-0001-SA	5562	AQUEOUS	19 NOV 97		21 NOV 97
096226-0002-SA	5612	AQUEOUS	18 NOV 97		21 NOV 97

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 131462

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Normal

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5562	19-NOV-97	Water	8330 *	131462-001
5612	18-NOV-97	Water	8330 *	131462-002

***Please report using Sample ID instead of C&T Lab #.

Notes:

RELINQUISHED BY:	RECEIVED BY:
11/20/97	
Date/Time	112197 @ 0945 Date/Time
Date/Time	Date/Time

* Hold Extract 11/26 & 11/25 respectively

Signature on this form constitutes a firm Purchase Order for the services requested above.

Received in good condition. [illegible] (12/19)

Quanterra Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5612
LAB ID: 096226-0002-SA
Matrix: AQUEOUS Sampled: 18 NOV 97 Received: 21 NOV 97
Authorized: 21 NOV 97 Prepared: 25 NOV 97 Analyzed: 13 DEC 97

Dilution Factor: 1.0

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	Recovery	Acceptable Range
2,4-Dinitrofluorobenzene	75 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson Approved By: Mike Orbanosky

The cover letter is an integral part of this report.
Rev 230787

Quanterra Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5562
LAB ID: 096226-0001-SA
Matrix: AQUEOUS Sampled: 19 NOV 97 Received: 21 NOV 97
Authorized: 21 NOV 97 Prepared: 25 NOV 97 Analyzed: 13 DEC 97

Dilution Factor: 1.0

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	Recovery	Acceptable Range
2,4-Dinitrofluorobenzene	81 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson Approved By: Mike Orbanosky

The cover letter is an integral part of this report.
Rev 230787

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
HPLC Analysis Area

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (LCS/BLANK)
096226-0001-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A
096226-0002-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 096226

Test: 8330-LOW-A
Method: 8330
Matrix: AQUEOUS
QC Lot: 25 NOV 97-7A
Analyzed: 13 DEC 97

Nitroaromatics and Nitramines by HPLC

QC Run: 25 NOV 97-7A
Time: 01:53

Analyte	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	% Recovery	Acceptable Range
2,4-Dinitrofluorobenzene	77	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 096226

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 25 NOV 97-7A Analyzed Date: 13 DEC 97 Time: 03:35

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.502	0.503	100	101	65-135	0.14	35
1,3,5-Trinitrobenzene	0.500	0.502	0.512	100	102	65-135	2.0	35
RDX	0.500	0.468	0.506	94	101	65-135	7.7	35
1,3-Dinitrobenzene	0.500	0.479	0.509	96	102	65-135	6.1	35
Nitrobenzene	0.500	0.440	0.488	88	98	65-135	10	35
2,4,6-Trinitrotoluene	0.500	0.529	0.522	106	104	65-135	1.5	35
Tetryl	0.500	0.490	0.465	98	93	65-135	5.3	35
2,4-Dinitrotoluene	0.500	0.468	0.494	94	99	65-135	5.5	35
2,6-Dinitrotoluene	0.500	0.474	0.497	95	99	65-135	4.7	35
2-Am-DNT	0.500	0.513	0.528	103	106	65-135	2.9	35
4-Am-DNT	0.500	0.518	0.533	104	107	65-135	2.8	35
2-Nitrotoluene	0.500	0.503	0.511	101	102	65-135	1.6	35
4-Nitrotoluene	0.500	0.528	0.465	106	93	65-135	13	35
3-Nitrotoluene	0.500	0.494	0.535	99	107	65-135	8.1	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.1	2.1	81	79	65-135

Calculations are performed before rounding to avoid round-off errors in calculated results.

Rec'd 12/29/97

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

COVER PAGE

Laboratory Number 131461

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 771481
Location: Plumbrook Ordnance Works

Sample ID	Lab ID
5702	131461-001
5703	131461-002

I certify that this data package has been reviewed for technical correctness and completeness. Please see attached narrative for a discussion of any analytical problems related to this sample set. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____ Date: 12/23/97
Title: Operations Manager

Signature: Carol Wortham Date: 12/23/97
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 131461
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 771481

Sampled Date: 11/17/97
Received Date: 11/19/97

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on November 17, 1997. The samples were received cold and intact.

Volatiles (EPA 8260): Sample 5702 (CT#131461-001) was diluted due to the dark nature of the matrix. When it was analyzed with no dilution it caused the mass spectrometer to shut off. No other analytical problems were encountered.

Semi-volatiles (EPA 8270): Sample 5702 (CT#131461-001) was diluted due to high levels of non-target compounds causing the surrogates to be diluted out. A high spike recovery was observed for 4-nitrophenol in the blank spike (CT#QC59374). This should not affect the quality of the data as the recovery was below 100% and the sample was non-detect for this compound. No other analytical problems were encountered.

PCBs (EPA 8080): Sample 5702 (CT#131461-001) had a high surrogate recovery for TCMX due to interference with non-target compounds and low surrogate recovery for decachlorobiphenyl. High response was observed for Aroclor 1016 in the continuing calibration verifications which were analyzed on November 24-27, 1997. This should not affect the quality of the data as this Aroclor was not detected in the samples. No other analytical problems were encountered.

Metals (EPA 6010A/7470): Relative percent differences (%RPDs) outside QC limits was observed for aluminum in batch 37797 and for potassium in batch 37796. Low recovery was observed for silver in the matrix spike of 5562 (CT#131462-001) in batch 37796. The spike recoveries for calcium in batch 37796 and for calcium and iron in batch 37797 are considered not meaningful (NM) as the sample concentrations are four times greater than the spiked levels. No other analytical problems were encountered.

Nitroaromatics and Nitramines (EPA 8330): One sample was subcontracted to Quanterra Environmental Services for analysis.

INTERNATIONAL TECHNOLOGY CORPORATION

13461

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10024

Project Number: 771481

Samples Shipment Date: 18-NOV-97

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: ~~Quanterra - Knoxville~~ Curtis + Tompkins LTD.

Sample Coordinator: ~~Dave Purcell~~ Bruce Bundt

Lab Contact: ~~John Reynolds~~ CAROL WORTHAM

Turnaround Time:

Project Contact: Kim Arrant / KIM NAPIER

Carrier/Waybill No.: Fed Ex/800185090892

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Arrant
312 Directors Drive
Knoxville TN 37923

Special Instructions: Metals=1L Filtered and 1L Unfiltered.

Possible Hazard Indentification:
Non-hazard | Flammable | Skin Irritant | Poison B | Unknown ✓

Sample Disposal:
Return to Client | Disposal by Lab | ✓ Archive (mos.)

1. Relinquished By (Signature/Affliation) Bruce Bundt — Date: 11-18-97 Time: 1630

2. Relinquished By (Signature/Affliation) — Date: Time:

3. Relinquished By (Signature/Affliation) — Date: Time:

1. Received By (Signature/Affliation) — Date: Time:

2. Received By (Signature/Affliation) — Date: Time:

3. Received By (Signature/Affliation) — Date: 11/19/97 Time: 10

Comments: Curtis and Tompkins, LTD. Lab/USACE Field Splits

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5702	PBOW97-PB-PR-MW8-GW-5702-FS	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		
5702	PBOW97-PB-PR-MW8-GW-5702-FS	17-NOV-97	15:45	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5702	PBOW97-PB-PR-MW8-GW-5702-FS	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5702	PBOW97-PB-PR-MW8-GW-5702-FS	17-NOV-97	15:45	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5702	PBOW97-PB-PR-MW8-GW-5702-FS	17-NOV-97	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5703	PBOW97-PB-PR-MW8-BW-5703-TB	17-NOV-97	07:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

003

Plumbrook

Curtis & Tompkins, Ltd

COOLER RECEIPT CHECKLIST

Login#: 13146 Date Received: 11/14 Number of Coolers: 2
Client: ITC Knoxville Project: Plumbrook

A. Preliminary Examination Phase
Date Opened: 11/14 By (print): Justin (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... (YES) NO
   If YES, enter carrier name and airbill number: Fed Ex 8001 8502 0892
2. Were custody seals on outside of cooler? ..... (YES) NO
   How many and where? 1 Front Seal date: 11/10 Seal name:
3. Were custody seals unbroken and intact at the date and time of arrival? ..... (YES) NO
4. Were custody papers dry and intact when received? ..... (YES) NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (YES) NO
6. Did you sign the custody papers in the appropriate place? ..... (YES) NO
7. Was project identifiable from custody papers? ..... (YES) NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? ..... (YES) NO
   Type of ice: Blue Ice Temperature: 4.0°C & 3.5°C

B. Login Phase
Date Logged In: 11/14 By (print): Justin (sign) [signature]

1. Describe type of packing in cooler: — bubble wrap
2. Did all bottles arrive unbroken? ..... (YES) NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? (YES) NO
4. Did bottle labels agree with custody papers? ..... (YES) NO
5. Were appropriate containers used for the tests indicated? ..... (YES) NO
6. Were correct preservatives added to samples? ..... (YES) NO
7. Was sufficient amount of sample sent for tests indicated? ..... (YES) NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... (YES) NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? By whom? Date:

Additional Comments:

DY SEAL

Filename: F:\qc\forms\cooler.wpd Rev: 1 4/95

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5702
Lab ID: 131461-001
Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 100

Sampled: 11/17/97
Received: 11/19/97
Extracted: 11/26/97
Analyzed: 11/26/97

Analyte	Result	Reporting Limit
Chloromethane	ND	1000
Bromomethane	ND	1000
Vinyl Chloride	ND	1000
Chloroethane	ND	1000
Methylene Chloride	ND	500
Acetone	ND	2000
Carbon Disulfide	ND	500
1,1-Dichloroethene	ND	500
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	500
2-Butanone	ND	2000
1,1,1-Trichloroethane	ND	500
Carbon Tetrachloride	ND	500
Bromodichloromethane	ND	500
1,2-Dichloropropane	ND	500
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	500
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	500
Benzene	ND	500
trans-1,3-Dichloropropene	ND	500
Bromoform	ND	500
2-Hexanone	ND	2000
4-Methyl-2-Pentanone	ND	2000
1,1,2,2-Tetrachloroethane	ND	500
Tetrachloroethene	ND	500
Toluene	ND	500
Chlorobenzene	ND	500
Ethylbenzene	ND	500
Styrene	ND	500
m,p-Xylenes	ND	500
o-Xylene	ND	500

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	102	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	106	88-118

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5703
Lab ID: 131461-002
Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 1

Sampled: 11/17/97
Received: 11/19/97
Extracted: 11/26/97
Analyzed: 11/26/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	103	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	108	88-118

Lab #: 131461

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 37779
Units: ug/L
Diln Fac: 1

Prep Date: 11/26/97
Analysis Date: 11/26/97

MB Lab ID: QC59586

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	101	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	103	88-118

EPA 8260 Volatile Organics

Client:	IT Corporation	Analysis Method:	EPA 8260
Project#:	771481	Prep Method:	EPA 5030
Location:	Plumbrook Ordnance Works		

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	11/26/97
Batch#:	37779	Analysis Date:	11/26/97
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC59584

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	52.88	106	73-141
Trichloroethene	50	50.42	101	84-113
Benzene	50	50.91	102	86-116
Toluene	50	50.77	102	83-118
Chlorobenzene	50	52.29	105	87-117

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	100	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	103	88-118

BSD Lab ID: QC59585

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	52.09	104	73-141	1	14
Trichloroethene	50	50.36	101	84-113	0	14
Benzene	50	50.81	102	86-116	0	11
Toluene	50	50.62	101	83-118	0	13
Chlorobenzene	50	52.36	105	87-117	0	13

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	101	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	103	88-118

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works		

Field ID:	5702	Sampled:	11/17/97
Lab ID:	131461-001	Received:	11/19/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/26/97
Units:	ug/L		
Diln Fac:	50		

Analyte	Result	Reporting Limit
Phenol	ND	570
2-Chlorophenol	ND	570
2-Methylphenol	ND	570
3,4-Methylphenol	ND	570
2-Nitrophenol	ND	2900
2,4-Dimethylphenol	ND	570
2,4-Dichlorophenol	ND	570
4-Chloro-3-methylphenol	ND	570
2,4,6-Trichlorophenol	ND	570
2,4,5-Trichlorophenol	ND	570
2,4-Dinitrophenol	6200	2900
4-Nitrophenol	ND	2900
4,6-Dinitro-2-methylphenol	2400 J	2900
Pentachlorophenol	ND	2900
bis(2-Chloroethyl)ether	ND	570
1,3-Dichlorobenzene	ND	570
1,4-Dichlorobenzene	ND	570
1,2-Dichlorobenzene	ND	570
bis(2-Chloroisopropyl) ether	ND	570
N-Nitroso-di-n-propylamine	ND	570
Hexachloroethane	ND	570
Nitrobenzene	ND	570
Isophorone	ND	570
bis(2-Chloroethoxy)methane	ND	570
1,2,4-Trichlorobenzene	ND	570
Naphthalene	ND	570
4-Chloroaniline	ND	570
Hexachlorobutadiene	ND	570
2-Methylnaphthalene	ND	570
Hexachlorocyclopentadiene	ND	2900
2-Chloronaphthalene	ND	570
2-Nitroaniline	ND	2900
Dimethylphthalate	ND	570
Acenaphthylene	ND	570
2,6-Dinitrotoluene	ND	570
3-Nitroaniline	ND	2900
Acenaphthene	ND	570
Dibenzofuran	ND	570

Semivolatile Organics by GC/MS

Field ID:	5702	Sampled:	11/17/97
Lab ID:	131461-001	Received:	11/19/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/26/97
Units:	ug/L		
Diln Fac:	50		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	2200	570
Diethylphthalate	ND	570
4-Chlorophenyl-phenylether	ND	570
Fluorene	ND	570
4-Nitroaniline	ND	2900
N-Nitrosodiphenylamine	ND	570
4-Bromophenyl-phenylether	ND	570
Hexachlorobenzene	ND	570
Phenanthrene	ND	570
Anthracene	ND	570
Di-n-butylphthalate	ND	570
Fluoranthene	ND	570
Carbazole	ND	570
Pyrene	ND	570
Butylbenzylphthalate	ND	570
3,3'-Dichlorobenzidine	ND	2900
Benzo(a)anthracene	ND	570
Chrysene	ND	570
bis(2-Ethylhexyl)phthalate	ND	570
Di-n-octylphthalate	ND	570
Benzo(b,k)fluoranthene	ND	570
Benzo(a)pyrene	ND	570
Indeno(1,2,3-cd)pyrene	ND	570
Dibenz(a,h)anthracene	ND	570
Benzo(g,h,i)perylene	ND	570

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	DO*	21-110
Phenol-d5	DO*	10-110
2,4,6-Tribromophenol	DO*	10-123
Nitrobenzene-d5	DO*	35-114
2-Fluorobiphenyl	DO*	43-116
Terphenyl-d14	DO*	33-141

J: Estimated Value
* Values outside of QC limits
DO: Surrogate diluted out

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	50
4-Nitrophenol	ND	50
4,6-Dinitro-2-methylphenol	ND	50
Pentachlorophenol	ND	50
bis(2-Chloroethyl)ether	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-Chloroisopropyl) ether	ND	10
N-Nitroso-di-n-propylamine	ND	10
Hexachloroethane	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	50
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	50
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	50
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Carbazole	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	50
Benzo(a)anthracene	ND	10
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b,k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%Rec	Recovery Limits
2-Fluorophenol	78	21-110
Phenol-d5	82	10-110
2,4,6-Tribromophenol	90	10-123
Nitrobenzene-d5	82	35-114
2-Fluorobiphenyl	87	43-116
Terphenyl-d14	99	33-141

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

BS Lab ID: QC59374

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	66.62	67		12-110
2-Chlorophenol	100	69.43	69		27-123
4-Chloro-3-methylphenol	100	74.86	75		23-97
4-Nitrophenol	100	67.4	67		10-80
Pentachlorophenol	100	60.31	60		9-103
1,4-Dichlorobenzene	50	31	62		36-97
N-Nitroso-di-n-propylamine	50	28.95	58		41-116
1,2,4-Trichlorobenzene	50	31.87	64		39-98
Acenaphthene	50	37.49	75		46-118
2,4-Dinitrotoluene	50	35.85	72		24-96
Pyrene	50	41.82	84		26-127

Surrogate	%Rec	Limits
2-Fluorophenol	62	21-110
Phenol-d5	69	10-110
2,4,6-Tribromophenol	81	10-123
Nitrobenzene-d5	71	35-114
2-Fluorobiphenyl	74	43-116
Terphenyl-d14	90	33-141

BSD Lab ID: QC59375

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	82.19	82		12-110	21		42
2-Chlorophenol	100	86.12	86		27-123	21		40
4-Chloro-3-methylphenol	100	88.86	89		23-97	17		42
4-Nitrophenol	100	80.79	81	*	10-80	18		50
Pentachlorophenol	100	73.87	74		9-103	20		50
1,4-Dichlorobenzene	50	39.17	78		36-97	23		28
N-Nitroso-di-n-propylamine	50	34.83	70		41-116	18		38
1,2,4-Trichlorobenzene	50	39.83	80		39-98	22		28
Acenaphthene	50	45.3	91		46-118	19		31
2,4-Dinitrotoluene	50	42.62	85		24-96	17		38
Pyrene	50	49.85	100		26-127	18		31

Surrogate	%Rec	Limits
2-Fluorophenol	81	21-110
Phenol-d5	87	10-110
2,4,6-Tribromophenol	94	10-123
Nitrobenzene-d5	86	35-114
2-Fluorobiphenyl	91	43-116
Terphenyl-d14	107	33-141

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: 1 out of 22 outside limits

Curtis & Tompkins Ltd.

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5702	Sampled:	11/17/97
Lab ID:	131461-001	Received:	11/19/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/27/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.0
Aroclor-1221	ND	1.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

Surrogate	%Recovery	Recovery Limits
TCMX	980*	60-150
Decachlorobiphenyl	26*	30-130

* Values outside of QC limits

Lab #: 131461

BATCH QC REPORT

Curtis & Tompkins Ltd.

Polychlorinated Biphenyls	
Client: IT Corporation	Analysis Method: PCB
Project#: 771481	Prep Method: EPA 3520
Location: Plumbrook Ordnance Works	Cleanup Method: EPA acid

METHOD BLANK	
Matrix: Water	Prep Date: 11/21/97
Batch#: 37716	Analysis Date: 11/25/97
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC59376

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.0
Aroclor-1221	ND	1.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

Surrogate	%Rec	Recovery Limits
TCMX	73	60-150
Decachlorobiphenyl	47	30-130

Lab #: 131461

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	11/21/97
Batch#:	37716	Analysis Date:	11/25/97
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC59377

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4.8	95		50-128

Surrogate	%Rec	Limits
TCMX	70	60-150
Decachlorobiphenyl	54	30-130

BSD Lab ID: QC59378

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.9	98		50-128	3		20

Surrogate	%Rec	Limits
TCMX	80	60-150
Decachlorobiphenyl	74	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Curtis & Tompkins, Ltd.

SAMPLE ID: 5702
LAB ID: 131461-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/17/97
DATE RECEIVED: 11/19/97
DATE REPORTED: 12/01/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	5000	1	37796	EPA 6010A	12/01/97
Antimony	ND	3000	1	37796	EPA 6010A	11/26/97
Arsenic	ND	250	1	37796	EPA 6010A	12/01/97
Barium	ND	500	1	37796	EPA 6010A	11/26/97
Beryllium	ND	100	1	37796	EPA 6010A	11/26/97
Cadmium	ND	250	1	37796	EPA 6010A	11/26/97
Calcium	960000	25000	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	500	1	37796	EPA 6010A	11/26/97
Cobalt	8000	1000	1	37796	EPA 6010A	11/26/97
Copper	5100	500	1	37796	EPA 6010A	11/26/97
Iron	17000	5000	1	37796	EPA 6010A	12/01/97
Lead	ND	150	1	37796	EPA 6010A	11/26/97
Magnesium	640000	25000	1	37796	EPA 6010A	11/26/97
Manganese	37000	500	1	37796	EPA 6010A	11/26/97
Mercury	ND	2.0	1	37706	EPA 7470	11/21/97
Molybdenum	ND	1000	1	37796	EPA 6010A	11/26/97
Nickel	8200	1000	1	37796	EPA 6010A	11/26/97
Potassium	34000	25000	1	37796	EPA 6010A	12/01/97
Selenium	ND	250	1	37796	EPA 6010A	12/01/97
Silver	ND	250	1	37796	EPA 6010A	12/01/97
Sodium	13000000	25000	1	37796	EPA 6010A	12/01/97
Thallium	ND	250	1	37796	EPA 6010A	11/26/97
Vanadium	ND	500	1	37796	EPA 6010A	11/26/97
Zinc	ND	1000	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5702
LAB ID: 131461-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/17/97
DATE RECEIVED: 11/19/97
DATE REPORTED: 12/01/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	9100	5000	1	37797	EPA 6010A	12/01/97
Antimony	ND	3000	1	37797	EPA 6010A	12/01/97
Arsenic	ND	250	1	37797	EPA 6010A	12/01/97
Barium	ND	500	1	37797	EPA 6010A	12/01/97
Beryllium	ND	100	1	37797	EPA 6010A	12/01/97
Cadmium	ND	250	1	37797	EPA 6010A	12/01/97
Calcium	950000	25000	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	500	1	37797	EPA 6010A	12/01/97
Cobalt	8300	1000	1	37797	EPA 6010A	12/01/97
Copper	5500	500	1	37797	EPA 6010A	12/01/97
Iron	22000	5000	1	37797	EPA 6010A	12/01/97
Lead	220	150	1	37797	EPA 6010A	12/01/97
Magnesium	650000	25000	1	37797	EPA 6010A	12/01/97
Manganese	38000	500	1	37797	EPA 6010A	12/01/97
Mercury	ND	2.0	1	37704	EPA 7470	11/21/97
Molybdenum	ND	1000	1	37797	EPA 6010A	12/01/97
Nickel	8100	1000	1	37797	EPA 6010A	12/01/97
Potassium	30000	25000	1	37797	EPA 6010A	12/01/97
Selenium	ND	250	1	37797	EPA 6010A	12/01/97
Silver	ND	250	1	37797	EPA 6010A	12/01/97
Sodium	12000000	25000	1	37797	EPA 6010A	12/01/97
Thallium	ND	250	1	37797	EPA 6010A	12/01/97
Vanadium	ND	500	1	37797	EPA 6010A	12/01/97
Zinc	ND	1000	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Aluminum	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	ug/L	1	37796	EPA 6010A	11/26/97
Antimony	ND	60	ug/L	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Barium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Barium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2	ug/L	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2	ug/L	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Calcium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Calcium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Copper	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Copper	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Lead	ND	3	ug/L	1	37796	EPA 6010A	11/26/97
Lead	ND	3	ug/L	1	37797	EPA 6010A	12/01/97
Magnesium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Magnesium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Manganese	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Manganese	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.2	ug/L	1	37704	EPA 7470	11/21/97
Mercury	ND	0.2	ug/L	1	37706	EPA 7470	11/21/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Molybdenum	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Selenium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Selenium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Thallium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Thallium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Zinc	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	ug/L	1	37797	EPA 6010A	12/01/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Compound	Sample	Sample Result	Spike Amount	MS Result	MSD Result	Units	MS% Rec.	MSD% Rec.	Rec. Limit	RPD %	RPD Lim	QC Batch	Method	Analysis Date
Mercury	131460-001	ND	5	4.33	4.248	ug/L	87	85	65-135	2	35	37704	EPA 7470	11/21/97
Mercury	131460-001	ND	5	4.322	4.224	ug/L	86	85	65-135	2	35	37706	EPA 7470	11/21/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS% Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	2000	1942	1973	ug/L	97	99	80-120	2	35	37796	EPA 6010A	12/01/97
Aluminum	2000	1939	1967	ug/L	97	98	80-120	1	35	37797	EPA 6010A	12/01/97
Antimony	500	514	572	ug/L	103	114	80-120	11	35	37796	EPA 6010A	11/26/97
Antimony	500	600	549	ug/L	120	110	80-120	9	35	37797	EPA 6010A	12/01/97
Arsenic	2000	2120	2130	ug/L	106	107	80-120	1	35	37796	EPA 6010A	12/01/97
Arsenic	2000	2020	2030	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Barium	2000	2050	2070	ug/L	103	104	80-120	1	35	37796	EPA 6010A	11/26/97
Barium	2000	2000	1990	ug/L	100	100	80-120	1	35	37797	EPA 6010A	12/01/97
Beryllium	50	51	52	ug/L	102	104	80-120	2	35	37796	EPA 6010A	11/26/97
Beryllium	50	51.5	51.5	ug/L	103	103	80-120	0	35	37797	EPA 6010A	12/01/97
Cadmium	50	52.4	53.8	ug/L	105	108	80-120	3	35	37796	EPA 6010A	11/26/97
Cadmium	50	51.1	52	ug/L	102	104	80-120	2	35	37797	EPA 6010A	12/01/97
Calcium	20000	20190	20580	ug/L	101	103	80-120	2	35	37796	EPA 6010A	11/26/97
Calcium	20000	19670	19530	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Chromium (total)	200	201	204	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Chromium (total)	200	200	201	ug/L	100	101	80-120	1	35	37797	EPA 6010A	12/01/97
Cobalt	500	502	515	ug/L	100	103	80-120	3	35	37796	EPA 6010A	11/26/97
Cobalt	500	489	492	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Copper	250	266	267	ug/L	106	107	80-120	0	35	37796	EPA 6010A	11/26/97
Copper	250	262	259	ug/L	105	104	80-120	1	35	37797	EPA 6010A	12/01/97
Iron	1000	973	961.8	ug/L	97	96	80-120	1	35	37796	EPA 6010A	12/01/97
Iron	1000	965.7	962.5	ug/L	97	96	80-120	0	35	37797	EPA 6010A	12/01/97
Lead	500	504	517	ug/L	101	103	80-120	3	35	37796	EPA 6010A	11/26/97
Lead	500	491	489	ug/L	98	98	80-120	0	35	37797	EPA 6010A	12/01/97
Magnesium	20000	21090	21470	ug/L	106	107	80-120	2	35	37796	EPA 6010A	11/26/97
Magnesium	20000	20850	20710	ug/L	104	104	80-120	1	35	37797	EPA 6010A	12/01/97
Manganese	500	496	504	ug/L	99	101	80-120	2	35	37796	EPA 6010A	11/26/97
Manganese	500	494	492	ug/L	99	98	80-120	0	35	37797	EPA 6010A	12/01/97
Mercury	5	4.397	4.339	ug/L	88	87	80-120	1	35	37704	EPA 7470	11/21/97
Mercury	5	4.453	4.42	ug/L	89	88	80-120	1	35	37706	EPA 7470	11/21/97
Molybdenum	400	410	418	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Molybdenum	400	399	400	ug/L	100	100	80-120	0	35	37797	EPA 6010A	12/01/97
Nickel	500	512	523	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Nickel	500	504	510	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Potassium	20000	19790	20100	ug/L	99	101	80-120	2	35	37796	EPA 6010A	12/01/97
Potassium	20000	19500	20000	ug/L	98	100	80-120	3	35	37797	EPA 6010A	12/01/97
Selenium	2000	2040	2090	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Selenium	2000	2070	2060	ug/L	104	103	80-120	1	35	37797	EPA 6010A	12/01/97
Silver	100	108	107	ug/L	108	107	80-120	1	35	37796	EPA 6010A	12/01/97
Silver	100	103	102	ug/L	103	102	80-120	1	35	37797	EPA 6010A	12/01/97
Sodium	20000	20930	20940	ug/L	105	105	80-120	0	35	37796	EPA 6010A	12/01/97
Sodium	20000	20810	21110	ug/L	104	106	80-120	1	35	37797	EPA 6010A	12/01/97
Thallium	2000	2230	2280	ug/L	112	114	80-120	2	35	37796	EPA 6010A	11/26/97
Thallium	2000	2070	2070	ug/L	104	104	80-120	0	35	37797	EPA 6010A	12/01/97
Vanadium	500	514	523	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Vanadium	500	505	504	ug/L	101	101	80-120	0	35	37797	EPA 6010A	12/01/97
Zinc	500	504	512	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Zinc	500	491	488	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	131462-001	208.5	214.8	ug/L	3	20	37796	EPA 6010A	12/01/97
Aluminum	131460-001	541.6	365.3	ug/L	39*	20	37797	EPA 6010A	12/01/97
Antimony	131462-001	<60	<60	ug/L	NC	20	37796	EPA 6010A	11/26/97
Antimony	131460-001	<60	<60	ug/L	NC	20	37797	EPA 6010A	12/01/97
Arsenic	131462-001	<5	<5	ug/L	NC	20	37796	EPA 6010A	12/01/97
Arsenic	131460-001	<5	<5	ug/L	NC	20	37797	EPA 6010A	12/01/97
Barium	131462-001	54	54.2	ug/L	0	20	37796	EPA 6010A	11/26/97
Barium	131460-001	121	104	ug/L	15	20	37797	EPA 6010A	12/01/97
Beryllium	131462-001	<2	<2	ug/L	NC	20	37796	EPA 6010A	11/26/97
Beryllium	131460-001	<2	<2	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cadmium	131462-001	<5	<5	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cadmium	131460-001	<5	<5	ug/L	NC	20	37797	EPA 6010A	12/01/97
Calcium	131462-001	113500	109900	ug/L	3	20	37796	EPA 6010A	11/26/97
Calcium	131460-001	148200	150500	ug/L	2	20	37797	EPA 6010A	12/01/97
Chromium (total)	131462-001	<10	<10	ug/L	NC	20	37796	EPA 6010A	11/26/97
Chromium (total)	131460-001	<10	<10	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cobalt	131462-001	<20	<20	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cobalt	131460-001	<20	<20	ug/L	NC	20	37797	EPA 6010A	12/01/97
Copper	131462-001	<10	<10	ug/L	NC	20	37796	EPA 6010A	11/26/97
Copper	131460-001	<10	<10	ug/L	NC	20	37797	EPA 6010A	12/01/97
Iron	131462-001	<100	<100	ug/L	NC	20	37796	EPA 6010A	12/01/97
Iron	131460-001	18060	18150	ug/L	0	20	37797	EPA 6010A	12/01/97
Lead	131462-001	<3	<3	ug/L	NC	20	37796	EPA 6010A	11/26/97
Lead	131460-001	<3	<3	ug/L	NC	20	37797	EPA 6010A	12/01/97
Magnesium	131462-001	21470	20830	ug/L	3	20	37796	EPA 6010A	11/26/97
Magnesium	131460-001	25760	26040	ug/L	1	20	37797	EPA 6010A	12/01/97
Manganese	131462-001	11.3	11.1	ug/L	2	20	37796	EPA 6010A	11/26/97
Manganese	131460-001	353	356	ug/L	1	20	37797	EPA 6010A	12/01/97
Mercury	131460-001	<0.2	<0.2	ug/L	NC	20	37706	EPA 7470	11/21/97
Molybdenum	131462-001	<20	<20	ug/L	NC	20	37796	EPA 6010A	11/26/97
Molybdenum	131460-001	<20	<20	ug/L	NC	20	37797	EPA 6010A	12/01/97
Nickel	131462-001	<20	<20	ug/L	NC	20	37796	EPA 6010A	11/26/97
Nickel	131460-001	<20	<20	ug/L	NC	20	37797	EPA 6010A	12/01/97
Potassium	131462-001	782	594.5	ug/L	27*	20	37796	EPA 6010A	12/01/97
Potassium	131460-001	708.8	591.9	ug/L	18	20	37797	EPA 6010A	12/01/97
Selenium	131462-001	7.33	<5	ug/L	NC	20	37796	EPA 6010A	12/01/97
Selenium	131460-001	<5	<5	ug/L	NC	20	37797	EPA 6010A	12/01/97
Silver	131462-001	<5	<5	ug/L	NC	20	37796	EPA 6010A	12/01/97
Silver	131460-001	<5	<5	ug/L	NC	20	37797	EPA 6010A	12/01/97
Sodium	131462-001	1875	1962	ug/L	5	20	37796	EPA 6010A	12/01/97
Sodium	131460-001	5891	5703	ug/L	3	20	37797	EPA 6010A	12/01/97
Thallium	131462-001	<5	<5	ug/L	NC	20	37796	EPA 6010A	11/26/97
Thallium	131460-001	<5	<5	ug/L	NC	20	37797	EPA 6010A	12/01/97
Vanadium	131462-001	<10	<10	ug/L	NC	20	37796	EPA 6010A	11/26/97
Vanadium	131460-001	<10	<10	ug/L	NC	20	37797	EPA 6010A	12/01/97
Zinc	131462-001	<20	<20	ug/L	NC	20	37796	EPA 6010A	11/26/97
Zinc	131460-001	103	<20	ug/L	NC	20	37797	EPA 6010A	12/01/97

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131461

DATE REPORTED: 12/01/97

BATCH QC REPORT
SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.		Rec. Limit	QC Batch	Method	Analysis Date
Aluminum	2000	131462-001	208.5	2327	ug/L	106		65-135	37796	EPA 6010A	12/01/97
Aluminum	2000	131460-001	541.6	2218	ug/L	84		65-135	37797	EPA 6010A	12/01/97
Antimony	500	131462-001	<60.000	361	ug/L	72		65-135	37796	EPA 6010A	11/26/97
Antimony	500	131460-001	<60.000	544	ug/L	109		65-135	37797	EPA 6010A	12/01/97
Arsenic	2000	131462-001	<5.000	2290	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Arsenic	2000	131460-001	<5.000	2010	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Barium	2000	131462-001	54	2230	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Barium	2000	131460-001	121	2100	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Beryllium	50	131462-001	<2.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Beryllium	50	131460-001	<2.000	50.3	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Cadmium	50	131462-001	<5.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Cadmium	50	131460-001	<5.000	50.5	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Calcium	20000	131462-001	113500	130800	ug/L	87	NM	65-135	37796	EPA 6010A	11/26/97
Calcium	20000	131460-001	148200	167100	ug/L	95	NM	65-135	37797	EPA 6010A	12/01/97
Chromium (total)	200	131462-001	<10.000	210	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Chromium (total)	200	131460-001	<10.000	197	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Cobalt	500	131462-001	<20.000	525	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Cobalt	500	131460-001	<20.000	480	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Copper	250	131462-001	<10.000	279	ug/L	112		65-135	37796	EPA 6010A	11/26/97
Copper	250	131460-001	<10.000	268	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Iron	1000	131462-001	<100.000	965.9	ug/L	97		65-135	37796	EPA 6010A	12/01/97
Iron	1000	131460-001	18060	18930	ug/L	87	NM	65-135	37797	EPA 6010A	12/01/97
Lead	500	131462-001	<3.000	527	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Lead	500	131460-001	<3.000	482	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Magnesium	20000	131462-001	21470	43490	ug/L	110		65-135	37796	EPA 6010A	11/26/97
Magnesium	20000	131460-001	25760	47200	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Manganese	500	131462-001	11.3	532	ug/L	104		65-135	37796	EPA 6010A	11/26/97
Manganese	500	131460-001	353	841	ug/L	98		65-135	37797	EPA 6010A	12/01/97
Molybdenum	400	131462-001	<20.000	401	ug/L	100		65-135	37796	EPA 6010A	11/26/97
Molybdenum	400	131460-001	<20.000	388	ug/L	97		65-135	37797	EPA 6010A	12/01/97
Nickel	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Nickel	500	131460-001	<20.000	494	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Potassium	20000	131462-001	782	22530	ug/L	109		65-135	37796	EPA 6010A	12/01/97
Potassium	20000	131460-001	708.8	20670	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Selenium	2000	131462-001	7.33	2650	ug/L	132		65-135	37796	EPA 6010A	11/26/97
Selenium	2000	131460-001	<5.000	2050	ug/L	103		65-135	37797	EPA 6010A	12/01/97
Silver	100	131462-001	<5.000	43.1	ug/L	43*		65-135	37796	EPA 6010A	12/01/97
Silver	100	131460-001	<5.000	104	ug/L	104		65-135	37797	EPA 6010A	12/01/97
Sodium	20000	131462-001	1875	24910	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Sodium	20000	131460-001	5891	26320	ug/L	102		65-135	37797	EPA 6010A	12/01/97
Thallium	2000	131462-001	<5.000	2330	ug/L	117		65-135	37796	EPA 6010A	11/26/97
Thallium	2000	131460-001	<5.000	2020	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Vanadium	500	131462-001	<10.000	538	ug/L	108		65-135	37796	EPA 6010A	11/26/97
Vanadium	500	131460-001	<10.000	499	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Zinc	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Zinc	500	131460-001	103	481	ug/L	76		65-135	37797	EPA 6010A	12/01/97

* = Out of Limits
NM = Not Meaningful

Quanterra
Environmental Services

Quanterra Incorporated
880 Riverside Parkway
West Sacramento, California 95605

916 373-5600 Telephone
916 372-1059 Fax

December 17, 1997
QUANTERRA INCORPORATED PROJECT NUMBER: **096225**
PO/CONTRACT: **Project #131461**

Carol Wortham
Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710

Dear Ms. Wortham:

This report contains the analytical results for the one aqueous sample which was received under chain of custody by Quanterra Incorporated on 21 November 1997.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call.

Sincerely,

Nanny Estrada

Nanny Estrada
Project Manager
Advanced Technology

Quanterra
Environmental Services

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QUANTERRA INCORPORATED PROJECT NUMBER 096225

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

Nitroaromatics and Nitramines - Method 8330
Includes Sample(s): 1
- Sample Data Sheets
- Laboratory QC Reports

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 096225

Please note that due to time lost in transit, your sample was extracted outside of the holding time. The holding time expired on 11/24/97. The extraction was performed on 11/25/97.

Your sample had no quantitatable surrogate recovery due to required dilution. This was confirmed by reinjection on both the analytical and confirmation columns.

QUANTERRA INCORPORATED QUALITY CONTROL PROGRAM

Quanterra has implemented an extensive Quality Control (QC) program to ensure the production of scientifically sound, legally defensible data of known documentable quality. This QC program is based upon requirements in "Test Methods for Evaluating Solid Waste", USEPA SW-846, Third Edition. It applies whenever SW-846 analytical methods are used. It also applies in whole or in part whenever project requirements fail to specify some aspect of QC practices described here. It does not apply when other well defined QC programs (e.g. CLP or CLP-like) are specified. This is Quanterra's base QC program for environmental analysis.

Definitions:

Quality Control Batch. The quality control (QC) batch is a set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.

Surrogate. A surrogate (or internal standard) is an organic compound similar in chemical behavior to the target analyte, but not normally found in environmental samples. Surrogates (or IS) are added to all samples in a batch to monitor the effects of both the matrix and the analytical process on accuracy.

Method Blank. A method blank (MB) is a control sample prepared using the same reagents used for the samples. As part of the QC batch, it accompanies the samples through all steps of the sample extraction and cleanup procedure. The method blank is used to monitor the level of contamination introduced to a batch of samples as a result of processing in the laboratory.

Laboratory Control Sample. A laboratory control sample (LCS) is prepared using a well characterized matrix (e.g., reagent water or Ottawa sand) that is spiked with known amounts of representative analytes. Alternate matrices (e.g., glass beads) may be used for soil analyses when Ottawa sand is not appropriate. As part of a QC batch, it accompanies the samples through all steps of the sample extraction and cleanup process. The LCS is used to monitor the accuracy of the analytical process independent of possible interference effects due to sample matrix.

Duplicate Control Sample. A duplicate laboratory control sample (DCS) consists of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects.

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Curtis & Tompkins, Ltd.

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
096225-0001-SA	5702	AQUEOUS	17 NOV 97		21 NOV 97

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 131461

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Normal

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5702	17-NOV-97	Water	8330 *	131461-001

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	11/20/97 Date/Time	11/21/97 @ 0945 Date/Time
	Date/Time	Date/Time

* Hold Expire 11/24/97

Signature on this form constitutes a firm Purchase Order for the services requested above.

Received in good condition.
MCO 11/21/97

200

Quanterra Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5702
LAB ID: 096225-0001-SA
Matrix: AQUEOUS — Sampled: 17 NOV 97 — Received: 21 NOV 97
Authorized: 21 NOV 97 — Prepared: 25 NOV 97 — Analyzed: 15 DEC 97

Dilution Factor: 1000

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1000	o
1,3,5-Trinitrobenzene	3500	ug/L	300	
RDX	ND	ug/L	800	
1,3-Dinitrobenzene	2500	ug/L	100	
Nitrobenzene	ND	ug/L	1000	
2,4,6-Trinitrotoluene	ND	ug/L	100	
Tetryl	ND	ug/L	1000	
2,4-Dinitrotoluene	1600	ug/L	100	
2,6-Dinitrotoluene	ND	ug/L	300	
2-Am-DNT	ND	ug/L	100	
4-Am-DNT	ND	ug/L	100	
2-Nitrotoluene	ND	ug/L	1000	
4-Nitrotoluene	ND	ug/L	1000	
3-Nitrotoluene	ND	ug/L	1000	

Surrogate	Recovery	Acceptable Range	
2,4-Dinitrofluorobenzene	ND %	65 - 135	H

Note H = Spiked analyte not detected because of required sample dilution.
Note o = Reporting limit(s) raised due to high level of analyte present in sample.
ND = Not Detected

Reported By: Jon Edmondson — Approved By: Kris Rogers

The cover letter is an integral part of this report.
Rev 230787

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Special Services - LC Mass Spectrometry

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
096225-0001-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A

Quanterra Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Special Services - LC Mass Spectrometry

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precision (RPD) DCS	Limit
Category: 8330-LOW-A								
Matrix: AQUEOUS								
QC Lot: 25 NOV 97-7A								
Concentration Units: ug/L								
HMX	0.5	0.502	0.503	0.502	100	65-135	0.1	35.0
1,3,5-Trinitrobenzene	0.5	0.502	0.512	0.507	101	65-135	2.0	35.0
RDX	0.5	0.468	0.506	0.487	97	65-135	7.7	35.0
1,3-Dinitrobenzene	0.5	0.479	0.509	0.494	99	65-135	6.1	35.0
Nitrobenzene	0.5	0.440	0.488	0.464	93	65-135	10	35.0
2,4,6-Trinitrotoluene	0.5	0.529	0.522	0.526	105	65-135	1.5	35.0
Tetryl	0.5	0.490	0.465	0.478	96	65-135	5.3	35.0
2,4-Dinitrotoluene	0.5	0.468	0.494	0.481	96	65-135	5.5	35.0
2,6-Dinitrotoluene	0.5	0.474	0.497	0.485	97	65-135	4.7	35.0
2-Am-DNT	0.5	0.513	0.528	0.521	104	65-135	2.9	35.0
4-Am-DNT	0.5	0.518	0.533	0.525	105	65-135	2.8	35.0
2-Nitrotoluene	0.5	0.503	0.511	0.507	101	65-135	1.6	35.0
4-Nitrotoluene	0.5	0.528	0.465	0.497	99	65-135	13	35.0
3-Nitrotoluene	0.5	0.494	0.535	0.514	103	65-135	8.1	35.0
2,4-Dinitrofluorobenzene	2.6	2.1	2.1	2.1	80	65-135	2.7	35.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Special Services - LC Mass Spectrometry

Test: 8330-LOW-A
Matrix: AQUEOUS
QC Lot: 25 NOV 97-7A QC Run: 25 NOV 97-7A

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/L	1.0
1,3,5-Trinitrobenzene	ND	ug/L	0.30
RDX	ND	ug/L	0.80
1,3-Dinitrobenzene	ND	ug/L	0.10
Nitrobenzene	ND	ug/L	1.0
2,4,6-Trinitrotoluene	ND	ug/L	0.10
Tetryl	ND	ug/L	1.0
2,4-Dinitrotoluene	ND	ug/L	0.10
2,6-Dinitrotoluene	ND	ug/L	0.30
2-Am-DNT	ND	ug/L	0.10
4-Am-DNT	ND	ug/L	0.10
2-Nitrotoluene	ND	ug/L	1.0
4-Nitrotoluene	ND	ug/L	1.0
3-Nitrotoluene	ND	ug/L	1.0

rec'd 12/30/97

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

COVER PAGE

Laboratory Number 131460

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 771481
Location: Plumbrook Ordnance Works

Sample ID	Lab ID
5762	131460-001
5763	131460-002
5412	131460-003
5452	131460-004

I certify that this data package has been reviewed for technical correctness and completeness. Please see attached narrative for a discussion of any analytical problems related to this sample set. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____ Date: 12/22/97
Title: Operations Manager

Signature: Carol Wrtham Date: 12/22/97
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 131460
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 771481

Sampled Date:11/16-17/97
Received Date: 11/18/97

CASE NARRATIVE

This hardcopy data package contains sample and QC results for four water samples which were received from the site referenced above on November 18, 1997. The samples were received cold and intact.

Volatiles (EPA 8260): Sample 5763 (CT#131460-002) had a detected result for methylene chloride at 7.4 ug/L. The associated method blank (CT#QC59343) had a detected value below the reporting limit of 2.2 ug/L. No other analytical problems were encountered.

Semi-volatiles (EPA 8270): Sample 5452 (CT#131460-004) was diluted due to high levels of non-target compounds. A high spike recovery was observed for 4-nitrophenol in the blank spike (CT#QC59374). This should not affect the quality of the data as the recovery was below 100% and the samples were all non-detect. 2,4-dinitrophenol, di-n-butylphthalate, bis(2-ethylhexyl)phthalate, and di-n-octylphthalate did not meet %RSD or correlation coefficient criteria in the initial calibration for BNA1. Benzyl alcohol, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene met minimum response criteria but did not meet the %D criteria in the continuing calibration verification which was analyzed on BNA1 on November 25, 1997. This should not affect the quality of the data as only sample 5452 (CT#131460-004) was analyzed on this instrument and none of these compounds were detected. No other analytical problems were encountered.

PCBs (EPA 8080): A low surrogate recovery was observed for decachlorobiphenyl for 5412 (CT#131460-003). This outlier should not affect the quality of the data as the surrogate recovery for TCMX was within QC limits. High response was observed for Aroclor 1016 in the continuing calibration verifications which were analyzed on November 24-25, 1997. This should not affect the quality of the data as this Aroclor was not detected in the samples. No other analytical problems were encountered.

Metals (EPA 6010A/7470): Relative percent differences (%RPDs) outside QC limits was observed for aluminum in batch 37797 and for potassium in batch 37796. Low recovery was observed for silver in the matrix spike of 5562 (CT#131462-001). The spike recoveries for calcium in batch 37796 and for calcium and iron in batch 37797 are considered not meaningful (NM) as the sample

concentrations are four times greater than the sp[illegible]. No analytical problems were encountered.

Nitroaromatics and Nitramines (EPA 8330): Three samples were subcontracted to Quanterra Environmental Services for analysis.

INTERNATIONAL TECHNOLOGY CORPORATION

131460

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10020

Project Number: 771481

Samples Shipment Date: 17-NOV-97

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Project Name: PLUMBROOK ORDNANCE WORKS

Lab Destination: ~~Quanterra Knoxville~~ CURTIS + TOMPKINS, LTD

Sample Coordinator: ~~Dave Purcell~~ BRUCE BERNDT

Lab Contact: ~~John Reynolds~~ CAROL WORTHAM

Report To: Kim ~~Arrant~~ NAPIER
312 Directors Drive
Knoxville TN. 37923

Turnaround Time:

Project Contact: Kim Arrant/KIM NAPIER

Carrier/Waybill No.: Fed Ex/800185090907

Special Instructions: FIELD SPLIT SAMPLES

Possible Hazard Indentification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown ✓

Sample Disposal:

Return to Client | Disposal by Lab | ✓ Archive (mos.)

1. Relinquished By (Signature/Affliation) [signature] Date: 11-17-97 Time: 1630

2. Relinquished By (Signature/Affliation) Date: Time:

3. Relinquished By (Signature/Affliation) Date: Time:

1. Received By (Signature/Affliation) [signature] Date: 11/18/97 Time: 10

2. Received By (Signature/Affliation) Date: Time:

3. Received By (Signature/Affliation) Date: Time:

Comments: CURTIS AND TOMPKINS LAB; ATTN: CAROL WORTHAM

NOTE: 2 x 1L HDPE CONTAINERS FOR TAL METALS = 1 L - FILTERED FOR DISSOLVED METAL ANALYSIS AND 1 L - UNFILTERED FOR TOTAL METAL ANALYSIS.

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5762	PBOW97-MK-MW14-GW-5762-FS	16-NOV-97	10:00	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5762	PBOW97-MK-MW14-GW-5762-FS	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5762	PBOW97-MK-MW14-GW-5762-FS	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5762	PBOW97-MK-MW14-GW-5762-FS	16-NOV-97	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5763	PBOW97-MK-MW14-BW-5763-TB	16-NOV-97	08:00	40 ml VOA VIAL	2	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5412	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		
5412	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS	17-NOV-97	10:20	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5412	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5412	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS	17-NOV-97	10:20	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5412	PBOW97-IT-BG8-BEDGW-001-GW-5412-FS	17-NOV-97	10:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		
5452	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		
5452	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS	16-NOV-97	16:30	1000 ml HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5452	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	PCBs by SW8081 in water	N		
5452	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS	16-NOV-97	16:30	1000 ml A GLASS	2	NONE	TCL Semivolatiles by SW-846 8270B in wate	N		
5452	PBOW97-IT-AA1-BEDGW-001-GW-5452-FS	16-NOV-97	16:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 10020

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5762	PBOW97-MK-MW14-GW-5762-FS	16-NOV-97	10:00	1000 ml A GLASS	2	NONE	Nitroaromatics by SW-846 8330 in water	N		

Plumbrook

771481

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 131460 Date Received: 11/18 Number of Coolers: 3
Client: IT Plum Project: Plumbrook archive

A. Preliminary Examination Phase
Date Opened: 11/18 By (print): [illegible] (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... (YES) NO
   If YES, enter carrier name and airbill number: Fedex 8001850909097
2. Were custody seals on outside of cooler? ..... (YES) NO
   How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival? ..... (YES) NO
4. Were custody papers dry and intact when received? ..... (YES) NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (YES) NO
6. Did you sign the custody papers in the appropriate place? ..... (YES) NO
7. Was project identifiable from custody papers? ..... (YES) NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? ..... (YES) NO
   Type of ice: Gel Temperature: 4.75°C, 5.0°C, 4.5°C

B. Login Phase
Date Logged In: 11/18 By (print): [illegible] (sign) [illegible]

1. Describe type of packing in cooler: Vermiculite
2. Did all bottles arrive unbroken? ..... (YES) NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... (YES) NO
4. Did bottle labels agree with custody papers? ..... (YES) NO
5. Were appropriate containers used for the tests indicated? ..... (YES) NO
6. Were correct preservatives added to samples? ..... (YES) NO
7. Was sufficient amount of sample sent for tests indicated? ..... (YES) NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... (YES) NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? _____ By whom? _____ Date: _____

Additional Comments:

STOP! (SEAL

Filename: F:\qc\forms\cooler.wpd Rev. 1 4/95

006

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5762
Lab ID: 131460-001
Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Sampled: 11/16/97
Received: 11/18/97
Extracted: 11/22/97
Analyzed: 11/22/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	114	87-121
Toluene-d8	102	92-107
Bromofluorobenzene	103	80-121
Dibromofluoromethane	105	88-118

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5763
Lab ID: 131460-002
Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Sampled: 11/16/97
Received: 11/18/97
Extracted: 11/22/97
Analyzed: 11/22/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	7.4	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	115	87-121
Toluene-d8	103	92-107
Bromofluorobenzene	103	80-121
Dibromofluoromethane	104	88-118

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5412
Lab ID: 131460-003
Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Sampled: 11/17/97
Received: 11/18/97
Extracted: 11/22/97
Analyzed: 11/22/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	53	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	117	87-121
Toluene-d8	104	92-107
Bromofluorobenzene	104	80-121
Dibromofluoromethane	104	88-118

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5452
Lab ID: 131460-004
Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Sampled: 11/16/97
Received: 11/18/97
Extracted: 11/22/97
Analyzed: 11/22/97

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	5.0
Acetone	ND	20
Carbon Disulfide	170	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	21	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	22	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	9.4	5.0
Styrene	ND	5.0
m,p-Xylenes	160	5.0
o-Xylene	87	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	110	87-121
Toluene-d8	104	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	103	88-118

Lab #: 131460

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/21/97

MB Lab ID: QC59343

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	2.2J	5.0
Acetone	ND	20
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	20
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	20
4-Methyl-2-Pentanone	ND	20
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	109	87-121
Toluene-d8	100	92-107
Bromofluorobenzene	101	80-121
Dibromofluoromethane	102	88-118

Lab #: 131460 BATCH QC REPORT Curtis & Tompkins Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 37705
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/21/97

BS Lab ID: QC59340

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	51.41	103	73-141
Trichloroethene	50	49.75	100	84-113
Benzene	50	50.83	102	86-116
Toluene	50	51.35	103	83-118
Chlorobenzene	50	51.91	104	87-117

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	102	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	99	80-121
Dibromofluoromethane	100	88-118

BSD Lab ID: QC59341

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	51.27	103	73-141	0	14
Trichloroethene	50	49.46	99	84-113	1	14
Benzene	50	50.57	101	86-116	1	11
Toluene	50	50.62	101	83-118	1	13
Chlorobenzene	50	51.63	103	87-117	1	13

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	104	87-121
Toluene-d8	99	92-107
Bromofluorobenzene	100	80-121
Dibromofluoromethane	100	88-118

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works		

Field ID:	5762	Sampled:	11/16/97
Lab ID:	131460-001	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	9.6
2-Chlorophenol	ND	9.6
2-Methylphenol	ND	9.6
3,4-Methylphenol	ND	9.6
2-Nitrophenol	ND	48
2,4-Dimethylphenol	ND	9.6
2,4-Dichlorophenol	ND	9.6
4-Chloro-3-methylphenol	ND	9.6
2,4,6-Trichlorophenol	ND	9.6
2,4,5-Trichlorophenol	ND	9.6
2,4-Dinitrophenol	ND	48
4-Nitrophenol	ND	48
4,6-Dinitro-2-methylphenol	ND	48
Pentachlorophenol	ND	48
bis(2-Chloroethyl)ether	ND	9.6
1,3-Dichlorobenzene	ND	9.6
1,4-Dichlorobenzene	ND	9.6
1,2-Dichlorobenzene	ND	9.6
bis(2-Chloroisopropyl) ether	ND	9.6
N-Nitroso-di-n-propylamine	ND	9.6
Hexachloroethane	ND	9.6
Nitrobenzene	ND	9.6
Isophorone	ND	9.6
bis(2-Chloroethoxy)methane	ND	9.6
1,2,4-Trichlorobenzene	ND	9.6
Naphthalene	ND	9.6
4-Chloroaniline	ND	9.6
Hexachlorobutadiene	ND	9.6
2-Methylnaphthalene	ND	9.6
Hexachlorocyclopentadiene	ND	48
2-Chloronaphthalene	ND	9.6
2-Nitroaniline	ND	48
Dimethylphthalate	ND	9.6
Acenaphthylene	ND	9.6
2,6-Dinitrotoluene	ND	9.6
3-Nitroaniline	ND	48
Acenaphthene	ND	9.6
Dibenzofuran	ND	9.6

Semivolatile Organics by GC/MS

Field ID:	5762	Sampled:	11/16/97
Lab ID:	131460-001	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	ND	9.6
Diethylphthalate	ND	9.6
4-Chlorophenyl-phenylether	ND	9.6
Fluorene	ND	9.6
4-Nitroaniline	ND	48
N-Nitrosodiphenylamine	ND	9.6
4-Bromophenyl-phenylether	ND	9.6
Hexachlorobenzene	ND	9.6
Phenanthrene	ND	9.6
Anthracene	ND	9.6
Di-n-butylphthalate	ND	9.6
Fluoranthene	ND	9.6
Carbazole	ND	9.6
Pyrene	ND	9.6
Butylbenzylphthalate	ND	9.6
3,3'-Dichlorobenzidine	ND	48
Benzo(a)anthracene	ND	9.6
Chrysene	ND	9.6
bis(2-Ethylhexyl)phthalate	ND	9.6
Di-n-octylphthalate	ND	9.6
Benzo(b,k)fluoranthene	ND	9.6
Benzo(a)pyrene	ND	9.6
Indeno(1,2,3-cd)pyrene	ND	9.6
Dibenz(a,h)anthracene	ND	9.6
Benzo(g,h,i)perylene	ND	9.6

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	71	21-110
Phenol-d5	76	10-110
2,4,6-Tribromophenol	81	10-123
Nitrobenzene-d5	83	35-114
2-Fluorobiphenyl	86	43-116
Terphenyl-d14	89	33-141

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works		

Field ID:	5412	Sampled:	11/17/97
Lab ID:	131460-003	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	9.8
2-Chlorophenol	ND	9.8
2-Methylphenol	ND	9.8
3,4-Methylphenol	ND	9.8
2-Nitrophenol	ND	49
2,4-Dimethylphenol	ND	9.8
2,4-Dichlorophenol	ND	9.8
4-Chloro-3-methylphenol	ND	9.8
2,4,6-Trichlorophenol	ND	9.8
2,4,5-Trichlorophenol	ND	9.8
2,4-Dinitrophenol	ND	49
4-Nitrophenol	ND	49
4,6-Dinitro-2-methylphenol	ND	49
Pentachlorophenol	ND	49
bis(2-Chloroethyl)ether	ND	9.8
1,3-Dichlorobenzene	ND	9.8
1,4-Dichlorobenzene	ND	9.8
1,2-Dichlorobenzene	ND	9.8
bis(2-Chloroisopropyl) ether	ND	9.8
N-Nitroso-di-n-propylamine	ND	9.8
Hexachloroethane	ND	9.8
Nitrobenzene	ND	9.8
Isophorone	ND	9.8
bis(2-Chloroethoxy)methane	ND	9.8
1,2,4-Trichlorobenzene	ND	9.8
Naphthalene	ND	9.8
4-Chloroaniline	ND	9.8
Hexachlorobutadiene	ND	9.8
2-Methylnaphthalene	ND	9.8
Hexachlorocyclopentadiene	ND	49
2-Chloronaphthalene	ND	9.8
2-Nitroaniline	ND	49
Dimethylphthalate	ND	9.8
Acenaphthylene	ND	9.8
2,6-Dinitrotoluene	ND	9.8
3-Nitroaniline	ND	49
Acenaphthene	ND	9.8
Dibenzofuran	ND	9.8

Semivolatile Organics by GC/MS

Field ID:	5412	Sampled:	11/17/97
Lab ID:	131460-003	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	ND	9.8
Diethylphthalate	ND	9.8
4-Chlorophenyl-phenylether	ND	9.8
Fluorene	ND	9.8
4-Nitroaniline	ND	49
N-Nitrosodiphenylamine	ND	9.8
4-Bromophenyl-phenylether	ND	9.8
Hexachlorobenzene	ND	9.8
Phenanthrene	ND	9.8
Anthracene	ND	9.8
Di-n-butylphthalate	ND	9.8
Fluoranthene	ND	9.8
Carbazole	ND	9.8
Pyrene	ND	9.8
Butylbenzylphthalate	ND	9.8
3,3'-Dichlorobenzidine	ND	49
Benzo(a)anthracene	ND	9.8
Chrysene	ND	9.8
bis(2-Ethylhexyl)phthalate	ND	9.8
Di-n-octylphthalate	ND	9.8
Benzo(b,k)fluoranthene	ND	9.8
Benzo(a)pyrene	ND	9.8
Indeno(1,2,3-cd)pyrene	ND	9.8
Dibenz(a,h)anthracene	ND	9.8
Benzo(g,h,i)perylene	ND	9.8

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	75	21-110
Phenol-d5	78	10-110
2,4,6-Tribromophenol	87	10-123
Nitrobenzene-d5	76	35-114
2-Fluorobiphenyl	82	43-116
Terphenyl-d14	71	33-141

Semivolatile Organics by GC/MS

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

Field ID: 5452
Lab ID: 131460-004
Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 10

Sampled: 11/16/97
Received: 11/18/97
Extracted: 11/21/97
Analyzed: 11/25/97

Analyte	Result	Reporting Limit
Phenol	ND	97
2-Chlorophenol	ND	97
2-Methylphenol	ND	97
3,4-Methylphenol	ND	97
2-Nitrophenol	ND	490
2,4-Dimethylphenol	ND	97
2,4-Dichlorophenol	ND	97
4-Chloro-3-methylphenol	ND	97
2,4,6-Trichlorophenol	ND	97
2,4,5-Trichlorophenol	ND	97
2,4-Dinitrophenol	ND	490
4-Nitrophenol	ND	490
4,6-Dinitro-2-methylphenol	ND	490
Pentachlorophenol	ND	490
bis(2-Chloroethyl)ether	ND	97
1,3-Dichlorobenzene	ND	97
1,4-Dichlorobenzene	ND	97
1,2-Dichlorobenzene	ND	97
bis(2-Chloroisopropyl) ether	ND	97
N-Nitroso-di-n-propylamine	ND	97
Hexachloroethane	ND	97
Nitrobenzene	ND	97
Isophorone	ND	97
bis(2-Chloroethoxy)methane	ND	97
1,2,4-Trichlorobenzene	ND	97
Naphthalene	ND	97
4-Chloroaniline	ND	97
Hexachlorobutadiene	ND	97
2-Methylnaphthalene	ND	97
Hexachlorocyclopentadiene	ND	490
2-Chloronaphthalene	ND	97
2-Nitroaniline	ND	490
Dimethylphthalate	ND	97
Acenaphthylene	ND	97
2,6-Dinitrotoluene	ND	97
3-Nitroaniline	ND	490
Acenaphthene	ND	97
Dibenzofuran	ND	97

Semivolatile Organics by GC/MS

Field ID:	5452	Sampled:	11/16/97
Lab ID:	131460-004	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37715	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	10		

Analyte	Result	Reporting Limit
2,4-Dinitrotoluene	ND	97
Diethylphthalate	ND	97
4-Chlorophenyl-phenylether	ND	97
Fluorene	ND	97
4-Nitroaniline	ND	490
N-Nitrosodiphenylamine	ND	97
4-Bromophenyl-phenylether	ND	97
Hexachlorobenzene	ND	97
Phenanthrene	ND	97
Anthracene	ND	97
Di-n-butylphthalate	ND	97
Fluoranthene	ND	97
Carbazole	ND	97
Pyrene	ND	97
Butylbenzylphthalate	ND	97
3,3'-Dichlorobenzidine	ND	490
Benzo(a)anthracene	ND	97
Chrysene	ND	97
bis(2-Ethylhexyl)phthalate	ND	97
Di-n-octylphthalate	ND	97
Benzo(b,k)fluoranthene	ND	97
Benzo(a)pyrene	ND	97
Indeno(1,2,3-cd)pyrene	ND	97
Dibenz(a,h)anthracene	ND	97
Benzo(g,h,i)perylene	ND	97

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	80	21-110
Phenol-d5	88	10-110
2,4,6-Tribromophenol	92	10-123
Nitrobenzene-d5	108	35-114
2-Fluorobiphenyl	90	43-116
Terphenyl-d14	53	33-141

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	50
4-Nitrophenol	ND	50
4,6-Dinitro-2-methylphenol	ND	50
Pentachlorophenol	ND	50
bis(2-Chloroethyl)ether	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-Chloroisopropyl) ether	ND	10
N-Nitroso-di-n-propylamine	ND	10
Hexachloroethane	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	50
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	50
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	50
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

MB Lab ID: QC59373

Analyte	Result	Reporting Limit
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Carbazole	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	50
Benzo(a)anthracene	ND	10
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b,k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%Rec	Recovery Limits
2-Fluorophenol	78	21-110
Phenol-d5	82	10-110
2,4,6-Tribromophenol	90	10-123
Nitrobenzene-d5	82	35-114
2-Fluorobiphenyl	87	43-116
Terphenyl-d14	99	33-141

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 771481
Location: Plumbrook Ordnance Works

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 37715
Units: ug/L
Diln Fac: 1

Prep Date: 11/21/97
Analysis Date: 11/25/97

BS Lab ID: QC59374

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	66.62	67		12-110
2-Chlorophenol	100	69.43	69		27-123
4-Chloro-3-methylphenol	100	74.86	75		23-97
4-Nitrophenol	100	67.4	67		10-80
Pentachlorophenol	100	60.31	60		9-103
1,4-Dichlorobenzene	50	31	62		36-97
N-Nitroso-di-n-propylamine	50	28.95	58		41-116
1,2,4-Trichlorobenzene	50	31.87	64		39-98
Acenaphthene	50	37.49	75		46-118
2,4-Dinitrotoluene	50	35.85	72		24-96
Pyrene	50	41.82	84		26-127

Surrogate	%Rec	Limits
2-Fluorophenol	62	21-110
Phenol-d5	69	10-110
2,4,6-Tribromophenol	81	10-123
Nitrobenzene-d5	71	35-114
2-Fluorobiphenyl	74	43-116
Terphenyl-d14	90	33-141

BSD Lab ID: QC59375

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	82.19	82		12-110	21		42
2-Chlorophenol	100	86.12	86		27-123	21		40
4-Chloro-3-methylphenol	100	88.86	89		23-97	17		42
4-Nitrophenol	100	80.79	81	*	10-80	18		50
Pentachlorophenol	100	73.87	74		9-103	20		50
1,4-Dichlorobenzene	50	39.17	78		36-97	23		28
N-Nitroso-di-n-propylamine	50	34.83	70		41-116	18		38
1,2,4-Trichlorobenzene	50	39.83	80		39-98	22		28
Acenaphthene	50	45.3	91		46-118	19		31
2,4-Dinitrotoluene	50	42.62	85		24-96	17		38
Pyrene	50	49.85	100		26-127	18		31

Surrogate	%Rec	Limits
2-Fluorophenol	81	21-110
Phenol-d5	87	10-110
2,4,6-Tribromophenol	94	10-123
Nitrobenzene-d5	86	35-114
2-Fluorobiphenyl	91	43-116
Terphenyl-d14	107	33-141

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: 1 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5762	Sampled:	11/16/97
Lab ID:	131460-001	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.95
Aroclor-1221	ND	0.95
Aroclor-1232	ND	0.95
Aroclor-1242	ND	0.95
Aroclor-1248	ND	0.95
Aroclor-1254	ND	0.95
Aroclor-1260	ND	0.95

Surrogate	%Recovery	Recovery Limits
TCMX	78	60-150
Decachlorobiphenyl	38	30-130

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5412	Sampled:	11/17/97
Lab ID:	131460-003	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.96
Aroclor-1221	ND	0.96
Aroclor-1232	ND	0.96
Aroclor-1242	ND	0.96
Aroclor-1248	ND	0.96
Aroclor-1254	ND	0.96
Aroclor-1260	ND	0.96

Surrogate	%Recovery	Recovery Limits
TCMX	64	60-150
Decachlorobiphenyl	29*	30-130

* Values outside of QC limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

Field ID:	5452	Sampled:	11/16/97
Lab ID:	131460-004	Received:	11/18/97
Matrix:	Water	Extracted:	11/21/97
Batch#:	37716	Analyzed:	11/25/97
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.96
Aroclor-1221	ND	0.96
Aroclor-1232	ND	0.96
Aroclor-1242	ND	0.96
Aroclor-1248	ND	0.96
Aroclor-1254	ND	0.96
Aroclor-1260	ND	0.96

Surrogate	%Recovery	Recovery Limits
TCMX	80	60-150
Decachlorobiphenyl	47	30-130

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

METHOD BLANK

Matrix:	Water	Prep Date:	11/21/97
Batch#:	37716	Analysis Date:	11/25/97
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC59376

Analyte	Result	Reporting Limit
Aroclor-1016	ND	1.0
Aroclor-1221	ND	1.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

Surrogate	%Rec	Recovery Limits
TCMX	73	60-150
Decachlorobiphenyl	47	30-130

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	771481	Prep Method:	EPA 3520
Location:	Plumbrook Ordnance Works	Cleanup Method:	EPA acid

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	11/21/97
Batch#:	37716	Analysis Date:	11/25/97
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC59377

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4.8	95		50-128

Surrogate	%Rec	Limits
TCMX	70	60-150
Decachlorobiphenyl	54	30-130

BSD Lab ID: QC59378

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.9	98		50-128	3		20

Surrogate	%Rec	Limits
TCMX	80	60-150
Decachlorobiphenyl	74	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Curtis & Tompkins, Ltd.

SAMPLE ID: 5762
LAB ID: 131460-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/16/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	300	100	1	37796	EPA 6010A	12/01/97
Antimony	ND	60	1	37796	EPA 6010A	11/26/97
Arsenic	ND	5.0	1	37796	EPA 6010A	12/01/97
Barium	140	10	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2.0	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5.0	1	37796	EPA 6010A	11/26/97
Calcium	160000	500	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	1	37796	EPA 6010A	11/26/97
Copper	ND	10	1	37796	EPA 6010A	11/26/97
Iron	19000	100	1	37796	EPA 6010A	12/01/97
Lead	ND	3.0	1	37796	EPA 6010A	11/26/97
Magnesium	28000	500	1	37796	EPA 6010A	11/26/97
Manganese	380	10	1	37796	EPA 6010A	11/26/97
Mercury	ND	0.20	1	37706	EPA 7470	11/21/97
Molybdenum	ND	20	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	1	37796	EPA 6010A	11/26/97
Potassium	800	500	1	37796	EPA 6010A	12/01/97
Selenium	8.5	5.0	1	37796	EPA 6010A	11/26/97
Silver	ND	5.0	1	37796	EPA 6010A	12/01/97
Sodium	6600	500	1	37796	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5762
LAB ID: 131460-001
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/16/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	540	100	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5.0	1	37797	EPA 6010A	12/01/97
Barium	120	10	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2.0	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5.0	1	37797	EPA 6010A	12/01/97
Calcium	150000	500	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	1	37797	EPA 6010A	12/01/97
Copper	ND	10	1	37797	EPA 6010A	12/01/97
Iron	18000	100	1	37797	EPA 6010A	12/01/97
Lead	ND	3.0	1	37797	EPA 6010A	12/01/97
Magnesium	26000	500	1	37797	EPA 6010A	12/01/97
Manganese	350	10	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.20	1	37704	EPA 7470	11/21/97
Molybdenum	ND	20	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	1	37797	EPA 6010A	12/01/97
Potassium	710	500	1	37797	EPA 6010A	12/01/97
Selenium	ND	5.0	1	37797	EPA 6010A	12/01/97
Silver	ND	5.0	1	37797	EPA 6010A	12/01/97
Sodium	5900	500	1	37797	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	1	37797	EPA 6010A	12/01/97
Zinc	100	20	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5412
LAB ID: 131460-003
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/17/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	680	100	1	37796	EPA 6010A	12/01/97
Antimony	ND	60	1	37796	EPA 6010A	11/26/97
Arsenic	ND	5.0	1	37796	EPA 6010A	12/01/97
Barium	400	10	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2.0	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5.0	1	37796	EPA 6010A	11/26/97
Calcium	140000	500	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	1	37796	EPA 6010A	11/26/97
Copper	ND	10	1	37796	EPA 6010A	11/26/97
Iron	2300	100	1	37796	EPA 6010A	12/01/97
Lead	ND	3.0	1	37796	EPA 6010A	12/01/97
Magnesium	86000	500	1	37796	EPA 6010A	11/26/97
Manganese	900	10	1	37796	EPA 6010A	11/26/97
Mercury	ND	0.20	1	37706	EPA 7470	11/21/97
Molybdenum	ND	20	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	1	37796	EPA 6010A	11/26/97
Potassium	38000	500	1	37796	EPA 6010A	12/01/97
Selenium	25	5.0	1	37796	EPA 6010A	11/26/97
Silver	ND	5.0	1	37796	EPA 6010A	12/01/97
Sodium	490000	500	1	37796	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	1	37796	EPA 6010A	11/26/97
Zinc	24	20	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5412
LAB ID: 131460-003
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/17/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	1100	100	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5.0	1	37797	EPA 6010A	12/01/97
Barium	390	10	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2.0	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5.0	1	37797	EPA 6010A	12/01/97
Calcium	130000	500	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	1	37797	EPA 6010A	12/01/97
Copper	ND	10	1	37797	EPA 6010A	12/01/97
Iron	2700	100	1	37797	EPA 6010A	12/01/97
Lead	5.0	3.0	1	37797	EPA 6010A	12/01/97
Magnesium	85000	500	1	37797	EPA 6010A	12/01/97
Manganese	900	10	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.20	1	37704	EPA 7470	11/21/97
Molybdenum	ND	20	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	1	37797	EPA 6010A	12/01/97
Potassium	34000	500	1	37797	EPA 6010A	12/01/97
Selenium	ND	5.0	1	37797	EPA 6010A	12/01/97
Silver	ND	5.0	1	37797	EPA 6010A	12/01/97
Sodium	450000	500	1	37797	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	1	37797	EPA 6010A	12/01/97
Zinc	45	20	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5452
LAB ID: 131460-004
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Filtrate

DATE SAMPLED: 11/16/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	550	100	1	37796	EPA 6010A	12/01/97
Antimony	ND	60	1	37796	EPA 6010A	11/26/97
Arsenic	ND	5.0	1	37796	EPA 6010A	12/01/97
Barium	1500	10	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2.0	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5.0	1	37796	EPA 6010A	11/26/97
Calcium	270000	10000	20	37796	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	1	37796	EPA 6010A	11/26/97
Copper	ND	10	1	37796	EPA 6010A	11/26/97
Iron	380	100	1	37796	EPA 6010A	12/01/97
Lead	ND	3.0	1	37796	EPA 6010A	11/26/97
Magnesium	240000	500	1	37796	EPA 6010A	11/26/97
Manganese	740	10	1	37796	EPA 6010A	11/26/97
Mercury	ND	0.20	1	37706	EPA 7470	11/21/97
Molybdenum	ND	20	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	1	37796	EPA 6010A	11/26/97
Potassium	40000	500	1	37796	EPA 6010A	12/01/97
Selenium	37	5.0	1	37796	EPA 6010A	11/26/97
Silver	ND	5.0	1	37796	EPA 6010A	12/01/97
Sodium	630000	10000	20	37796	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	1	37796	EPA 6010A	11/26/97
Zinc	99	20	1	37796	EPA 6010A	11/26/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5452
LAB ID: 131460-004
CLIENT: IT Corporation
PROJECT ID: 771481
LOCATION: Plumbrook Ordnance Works
MATRIX: Water

DATE SAMPLED: 11/16/97
DATE RECEIVED: 11/18/97
DATE REPORTED: 12/22/97

EPA CLP TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	1000	100	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	1	37797	EPA 6010A	12/01/97
Arsenic	23	5.0	1	37797	EPA 6010A	12/01/97
Barium	1200	10	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2.0	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5.0	1	37797	EPA 6010A	12/01/97
Calcium	280000	10000	20	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	1	37797	EPA 6010A	12/01/97
Copper	17	10	1	37797	EPA 6010A	12/01/97
Iron	950	100	1	37797	EPA 6010A	12/01/97
Lead	ND	3.0	1	37797	EPA 6010A	12/01/97
Magnesium	250000	500	1	37797	EPA 6010A	12/01/97
Manganese	760	10	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.20	1	37704	EPA 7470	11/21/97
Molybdenum	ND	20	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	1	37797	EPA 6010A	12/01/97
Potassium	37000	500	1	37797	EPA 6010A	12/01/97
Selenium	ND	5.0	1	37797	EPA 6010A	12/01/97
Silver	ND	5.0	1	37797	EPA 6010A	12/01/97
Sodium	620000	10000	20	37797	EPA 6010A	12/01/97
Thallium	ND	5.0	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	1	37797	EPA 6010A	12/01/97
Zinc	25	20	1	37797	EPA 6010A	12/01/97

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Aluminum	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Antimony	ND	60	ug/L	1	37796	EPA 6010A	11/26/97
Antimony	ND	60	ug/L	1	37797	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Arsenic	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Barium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Barium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Beryllium	ND	2	ug/L	1	37796	EPA 6010A	11/26/97
Beryllium	ND	2	ug/L	1	37797	EPA 6010A	12/01/97
Cadmium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Cadmium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Calcium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Calcium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Chromium (total)	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Chromium (total)	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Cobalt	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Cobalt	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Copper	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Copper	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37796	EPA 6010A	12/01/97
Iron	ND	100	ug/L	1	37797	EPA 6010A	12/01/97
Lead	ND	3	ug/L	1	37796	EPA 6010A	11/26/97
Lead	ND	3	ug/L	1	37797	EPA 6010A	12/01/97
Magnesium	ND	500	ug/L	1	37796	EPA 6010A	11/26/97
Magnesium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Manganese	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Manganese	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Mercury	ND	0.2	ug/L	1	37704	EPA 7470	11/21/97
Mercury	ND	0.2	ug/L	1	37706	EPA 7470	11/21/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Molybdenum	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Nickel	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Nickel	ND	20	ug/L	1	37797	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Potassium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Selenium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Selenium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37796	EPA 6010A	12/01/97
Silver	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37796	EPA 6010A	12/01/97
Sodium	ND	500	ug/L	1	37797	EPA 6010A	12/01/97
Thallium	ND	5	ug/L	1	37796	EPA 6010A	11/26/97
Thallium	ND	5	ug/L	1	37797	EPA 6010A	12/01/97
Vanadium	ND	10	ug/L	1	37796	EPA 6010A	11/26/97
Vanadium	ND	10	ug/L	1	37797	EPA 6010A	12/01/97
Zinc	ND	20	ug/L	1	37796	EPA 6010A	11/26/97
Zinc	ND	20	ug/L	1	37797	EPA 6010A	12/01/97

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Compound	Sample	Sample Result	Spike Amount	MS Result	MSD Result	Units	MS% Rec.	MSD% Rec.	Rec. Limit	RPD %	RPD Lim	QC Batch	Method	Analysis Date
Mercury	131460-001	<0.200	5	4.33	4.248	ug/L	87	85	65-135	2	35	37704	EPA 7470	11/21/97
Mercury	131460-001	<0.200	5	4.322	4.224	ug/L	86	85	65-135	2	35	37706	EPA 7470	11/21/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS% Rec.	BSD% Rec.	Rec. Limits	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	2000	1942	1973	ug/L	97	99	80-120	2	35	37796	EPA 6010A	12/01/97
Aluminum	2000	1939	1967	ug/L	97	98	80-120	1	35	37797	EPA 6010A	12/01/97
Antimony	500	514	572	ug/L	103	114	80-120	11	35	37796	EPA 6010A	11/26/97
Antimony	500	600	549	ug/L	120	110	80-120	9	35	37797	EPA 6010A	12/01/97
Arsenic	2000	2120	2130	ug/L	106	107	80-120	1	35	37796	EPA 6010A	12/01/97
Arsenic	2000	2020	2030	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Barium	2000	2050	2070	ug/L	103	104	80-120	1	35	37796	EPA 6010A	11/26/97
Barium	2000	2000	1990	ug/L	100	100	80-120	1	35	37797	EPA 6010A	12/01/97
Beryllium	50	51	52	ug/L	102	104	80-120	2	35	37796	EPA 6010A	11/26/97
Beryllium	50	51.5	51.5	ug/L	103	103	80-120	0	35	37797	EPA 6010A	12/01/97
Cadmium	50	52.4	53.8	ug/L	105	108	80-120	3	35	37796	EPA 6010A	11/26/97
Cadmium	50	51.1	52	ug/L	102	104	80-120	2	35	37797	EPA 6010A	12/01/97
Calcium	20000	20190	20580	ug/L	101	103	80-120	2	35	37796	EPA 6010A	11/26/97
Calcium	20000	19670	19530	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Chromium (total)	200	201	204	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Chromium (total)	200	200	201	ug/L	100	101	80-120	1	35	37797	EPA 6010A	12/01/97
Cobalt	500	502	515	ug/L	100	103	80-120	3	35	37796	EPA 6010A	11/26/97
Cobalt	500	489	492	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97
Copper	250	266	267	ug/L	106	107	80-120	0	35	37796	EPA 6010A	11/26/97
Copper	250	262	259	ug/L	105	104	80-120	1	35	37797	EPA 6010A	12/01/97
Iron	1000	973	961.8	ug/L	97	96	80-120	1	35	37796	EPA 6010A	12/01/97
Iron	1000	965.7	962.5	ug/L	97	96	80-120	0	35	37797	EPA 6010A	12/01/97
Lead	500	504	517	ug/L	101	103	80-120	3	35	37796	EPA 6010A	11/26/97
Lead	500	491	489	ug/L	98	98	80-120	0	35	37797	EPA 6010A	12/01/97
Magnesium	20000	21090	21470	ug/L	106	107	80-120	2	35	37796	EPA 6010A	11/26/97
Magnesium	20000	20850	20710	ug/L	104	104	80-120	1	35	37797	EPA 6010A	12/01/97
Manganese	500	496	504	ug/L	99	101	80-120	2	35	37796	EPA 6010A	11/26/97
Manganese	500	494	492	ug/L	99	98	80-120	0	35	37797	EPA 6010A	12/01/97
Mercury	5	4.397	4.339	ug/L	88	87	80-120	1	35	37704	EPA 7470	11/21/97
Mercury	5	4.453	4.42	ug/L	89	88	80-120	1	35	37706	EPA 7470	11/21/97
Molybdenum	400	410	418	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Molybdenum	400	399	400	ug/L	100	100	80-120	0	35	37797	EPA 6010A	12/01/97
Nickel	500	512	523	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Nickel	500	504	510	ug/L	101	102	80-120	1	35	37797	EPA 6010A	12/01/97
Potassium	20000	19790	20100	ug/L	99	101	80-120	2	35	37796	EPA 6010A	12/01/97
Potassium	20000	19500	20000	ug/L	98	100	80-120	3	35	37797	EPA 6010A	12/01/97
Selenium	2000	2040	2090	ug/L	102	105	80-120	2	35	37796	EPA 6010A	11/26/97
Selenium	2000	2070	2060	ug/L	104	103	80-120	1	35	37797	EPA 6010A	12/01/97
Silver	100	108	107	ug/L	108	107	80-120	1	35	37796	EPA 6010A	12/01/97
Silver	100	103	102	ug/L	103	102	80-120	1	35	37797	EPA 6010A	12/01/97
Sodium	20000	20930	20940	ug/L	105	105	80-120	0	35	37796	EPA 6010A	12/01/97
Sodium	20000	20810	21110	ug/L	104	106	80-120	1	35	37797	EPA 6010A	12/01/97
Thallium	2000	2230	2280	ug/L	112	114	80-120	2	35	37796	EPA 6010A	11/26/97
Thallium	2000	2070	2070	ug/L	104	104	80-120	0	35	37797	EPA 6010A	12/01/97
Vanadium	500	514	523	ug/L	103	105	80-120	2	35	37796	EPA 6010A	11/26/97
Vanadium	500	505	504	ug/L	101	101	80-120	0	35	37797	EPA 6010A	12/01/97
Zinc	500	504	512	ug/L	101	102	80-120	2	35	37796	EPA 6010A	11/26/97
Zinc	500	491	488	ug/L	98	98	80-120	1	35	37797	EPA 6010A	12/01/97

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	131462-001	208.5	214.8	ug/L	3	20	37796	EPA 6010A	12/01/97
Aluminum	131460-001	541.6	365.3	ug/L	39*	20	37797	EPA 6010A	12/01/97
Antimony	131462-001	<60.000	<60.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Antimony	131460-001	<60.000	<60.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Arsenic	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Arsenic	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Barium	131462-001	54	54.2	ug/L	0	20	37796	EPA 6010A	11/26/97
Barium	131460-001	121	104	ug/L	15	20	37797	EPA 6010A	12/01/97
Beryllium	131462-001	<2.000	<2.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Beryllium	131460-001	<2.000	<2.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cadmium	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cadmium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Calcium	131462-001	113500	109900	ug/L	3	20	37796	EPA 6010A	11/26/97
Calcium	131460-001	148200	150500	ug/L	2	20	37797	EPA 6010A	12/01/97
Chromium (total)	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Chromium (total)	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Cobalt	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Cobalt	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Copper	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Copper	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Iron	131462-001	<100.000	<100.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Iron	131460-001	18060	18150	ug/L	0	20	37797	EPA 6010A	12/01/97
Lead	131462-001	<3.000	<3.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Lead	131460-001	<3.000	<3.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Magnesium	131462-001	21470	20830	ug/L	3	20	37796	EPA 6010A	11/26/97
Magnesium	131460-001	25760	26040	ug/L	1	20	37797	EPA 6010A	12/01/97
Manganese	131462-001	11.3	11.1	ug/L	2	20	37796	EPA 6010A	11/26/97
Manganese	131460-001	353	356	ug/L	1	20	37797	EPA 6010A	12/01/97
Mercury	131460-001	<0.200	<0.200	ug/L	NC	20	37706	EPA 7470	11/21/97
Molybdenum	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Molybdenum	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Nickel	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Nickel	131460-001	<20.000	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Potassium	131462-001	782	594.5	ug/L	27*	20	37796	EPA 6010A	12/01/97
Potassium	131460-001	708.8	591.9	ug/L	18	20	37797	EPA 6010A	12/01/97
Selenium	131462-001	7.33	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Selenium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Silver	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	12/01/97
Silver	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Sodium	131462-001	1875	1962	ug/L	5	20	37796	EPA 6010A	12/01/97
Sodium	131460-001	5891	5703	ug/L	3	20	37797	EPA 6010A	12/01/97
Thallium	131462-001	<5.000	<5.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Thallium	131460-001	<5.000	<5.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Vanadium	131462-001	<10.000	<10.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Vanadium	131460-001	<10.000	<10.000	ug/L	NC	20	37797	EPA 6010A	12/01/97
Zinc	131462-001	<20.000	<20.000	ug/L	NC	20	37796	EPA 6010A	11/26/97
Zinc	131460-001	103	<20.000	ug/L	NC	20	37797	EPA 6010A	12/01/97

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 131460

DATE REPORTED: 12/22/97

BATCH QC REPORT
SAMPLE SPIKE

Compound	Spike Amount	Sample	Sample Result	Spike Result	Units	Percent Rec.		Rec. Limit	QC Batch	Method	Analysis Date
Aluminum	2000	131462-001	208.5	2327	ug/L	106		65-135	37796	EPA 6010A	12/01/97
Aluminum	2000	131460-001	541.6	2218	ug/L	84		65-135	37797	EPA 6010A	12/01/97
Antimony	500	131462-001	<60.000	361	ug/L	72		65-135	37796	EPA 6010A	11/26/97
Antimony	500	131460-001	<60.000	544	ug/L	109		65-135	37797	EPA 6010A	12/01/97
Arsenic	2000	131462-001	<5.000	2290	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Arsenic	2000	131460-001	<5.000	2010	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Barium	2000	131462-001	54	2230	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Barium	2000	131460-001	121	2100	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Beryllium	50	131462-001	<2.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Beryllium	50	131460-001	<2.000	50.3	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Cadmium	50	131462-001	<5.000	53.6	ug/L	107		65-135	37796	EPA 6010A	11/26/97
Cadmium	50	131460-001	<5.000	50.5	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Calcium	20000	131462-001	113500	130800	ug/L	87	NM	65-135	37796	EPA 6010A	11/26/97
Calcium	20000	131460-001	148200	167100	ug/L	95	NM	65-135	37797	EPA 6010A	12/01/97
Chromium (total)	200	131462-001	<10.000	210	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Chromium (total)	200	131460-001	<10.000	197	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Cobalt	500	131462-001	<20.000	525	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Cobalt	500	131460-001	<20.000	480	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Copper	250	131462-001	<10.000	279	ug/L	112		65-135	37796	EPA 6010A	11/26/97
Copper	250	131460-001	<10.000	268	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Iron	1000	131462-001	<100.000	965.9	ug/L	97		65-135	37796	EPA 6010A	12/01/97
Iron	1000	131460-001	18060	18930	ug/L	87	NM	65-135	37797	EPA 6010A	12/01/97
Lead	500	131462-001	<3.000	527	ug/L	105		65-135	37796	EPA 6010A	11/26/97
Lead	500	131460-001	<3.000	482	ug/L	96		65-135	37797	EPA 6010A	12/01/97
Magnesium	20000	131462-001	21470	43490	ug/L	110		65-135	37796	EPA 6010A	11/26/97
Magnesium	20000	131460-001	25760	47200	ug/L	107		65-135	37797	EPA 6010A	12/01/97
Manganese	500	131462-001	11.3	532	ug/L	104		65-135	37796	EPA 6010A	11/26/97
Manganese	500	131460-001	353	841	ug/L	98		65-135	37797	EPA 6010A	12/01/97
Molybdenum	400	131462-001	<20.000	401	ug/L	100		65-135	37796	EPA 6010A	11/26/97
Molybdenum	400	131460-001	<20.000	388	ug/L	97		65-135	37797	EPA 6010A	12/01/97
Nickel	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Nickel	500	131460-001	<20.000	494	ug/L	99		65-135	37797	EPA 6010A	12/01/97
Potassium	20000	131462-001	782	22530	ug/L	109		65-135	37796	EPA 6010A	12/01/97
Potassium	20000	131460-001	708.8	20670	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Selenium	2000	131462-001	7.33	2650	ug/L	132		65-135	37796	EPA 6010A	11/26/97
Selenium	2000	131460-001	<5.000	2050	ug/L	103		65-135	37797	EPA 6010A	12/01/97
Silver	100	131462-001	<5.000	43.1	ug/L	43*		65-135	37796	EPA 6010A	12/01/97
Silver	100	131460-001	<5.000	104	ug/L	104		65-135	37797	EPA 6010A	12/01/97
Sodium	20000	131462-001	1875	24910	ug/L	115		65-135	37796	EPA 6010A	12/01/97
Sodium	20000	131460-001	5891	26320	ug/L	102		65-135	37797	EPA 6010A	12/01/97
Thallium	2000	131462-001	<5.000	2330	ug/L	117		65-135	37796	EPA 6010A	11/26/97
Thallium	2000	131460-001	<5.000	2020	ug/L	101		65-135	37797	EPA 6010A	12/01/97
Vanadium	500	131462-001	<10.000	538	ug/L	108		65-135	37796	EPA 6010A	11/26/97
Vanadium	500	131460-001	<10.000	499	ug/L	100		65-135	37797	EPA 6010A	12/01/97
Zinc	500	131462-001	<20.000	544	ug/L	109		65-135	37796	EPA 6010A	11/26/97
Zinc	500	131460-001	103	481	ug/L	76		65-135	37797	EPA 6010A	12/01/97

* = Out of Limits
NM = Not Meaningful

Quanterra
Environmental Services

Quanterra Incorporated
880 Riverside Parkway
West Sacramento, California 95605

916 373-5600 Telephone
916 372-1059 Fax

December 17, 1997
QUANTERRA INCORPORATED PROJECT NUMBER: **096224**
PO/CONTRACT: **Project #131460**

Carol Wortham
Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710

Dear Ms. Wortham:

This report contains the analytical results for the three samples which were received under chain of custody by Quanterra Incorporated on 21 November 1997.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call.

Sincerely,

Nanny Estrada

Nanny Estrada
Project Manager
Advanced Technology

NE/ct

Quanterra
Environmental Services

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QUANTERRA INCORPORATED PROJECT NUMBER 096224

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

Nitroaromatics and Nitramines - Method 8330
Includes Sample(s): 1 through 3
- Sample Data Sheets
- Laboratory QC Reports

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 096224

Please note that due to time lost in transit, your samples were extracted outside of the holding time. The holding time expired on 11/23/97 and 11/24/97. The extraction was performed on 11/25/97.

Samples "5412" and "5452" had no quantitatable surrogate recovery. This was confirmed by reinjection on both the analytical and confirmation columns.

QUANTERRA INCORPORATED QUALITY CONTROL PROGRAM

Quanterra has implemented an extensive Quality Control (QC) program to ensure the production of scientifically sound, legally defensible data of known documentable quality. This QC program is based upon requirements in "Test Methods for Evaluating Solid Waste", USEPA SW-846, Third Edition. It applies whenever SW-846 analytical methods are used. It also applies in whole or in part whenever project requirements fail to specify some aspect of QC practices described here. It does not apply when other well defined QC programs (e.g. CLP or CLP-like) are specified. This is Quanterra's base QC program for environmental analysis.

Definitions:

Quality Control Batch. The quality control (QC) batch is a set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.

Surrogate. A surrogate (or internal standard) is an organic compound similar in chemical behavior to the target analyte, but not normally found in environmental samples. Surrogates (or IS) are added to all samples in a batch to monitor the effects of both the matrix and the analytical process on accuracy.

Method Blank. A method blank (MB) is a control sample prepared using the same reagents used for the samples. As part of the QC batch, it accompanies the samples through all steps of the sample extraction and cleanup procedure. The method blank is used to monitor the level of contamination introduced to a batch of samples as a result of processing in the laboratory.

Laboratory Control Sample. A laboratory control sample (LCS) is prepared using a well characterized matrix (e.g., reagent water or Ottawa sand) that is spiked with known amounts of representative analytes. Alternate matrices (e.g., glass beads) may be used for soil analyses when Ottawa sand is not appropriate. As part of a QC batch, it accompanies the samples through all steps of the sample extraction and cleanup process. The LCS is used to monitor the accuracy of the analytical process independent of possible interference effects due to sample matrix.

Duplicate Control Sample. A duplicate laboratory control sample (DCS) consists of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects.

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Curtis & Tompkins, Ltd.

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
096224-0001-SA	5762	AQUEOUS	16 NOV 97		21 NOV 97
096224-0002-SA	5412	AQUEOUS	17 NOV 97		21 NOV 97
096224-0003-SA	5452	AQUEOUS	16 NOV 97		21 NOV 97

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 131460

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Normal

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5762	16-NOV-97	Water	8330 *	131460-001
5412	17-NOV-97	Water	8330	131460-003
5452	16-NOV-97	Water	8330 *	131460-004

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	4/20/97 Date/Time	11/21/97 @ 0941 Date/Time
	Date/Time	Date/Time

* Hold expire 4/23/97

Signature on this form constitutes a firm Purchase Order for the services requested above.

Received in good condition. MCD 11/21/97

Quanterra Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5762
LAB ID: 096224-0001-SA
Matrix: AQUEOUS — Sampled: 16 NOV 97 — Received: 21 NOV 97
Authorized: 21 NOV 97 — Prepared: 25 NOV 97 — Analyzed: 15 DEC 97

Dilution Factor: 1.0

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	Recovery	Acceptable Range
2,4-Dinitrofluorobenzene	84 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson — Approved By: Kris Rogers

The cover letter is an integral part of this report.
Rev 230787

Nitroaromatics and Nitramines by HPLC
Method 8330

Quanterra Environmental Services

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5412
LAB ID: 096224-0002-SA
Matrix: AQUEOUS Sampled: 17 NOV 97 Received: 21 NOV 97
Authorized: 21 NOV 97 Prepared: 25 NOV 97 Analyzed: 15 DEC 97

Dilution Factor: 1.0

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	Recovery	Acceptable Range	
2,4-Dinitrofluorobenzene	ND %	65 - 135	i

Note i = Surrogate recovery is outside of control limits.
ND = Not Detected

Reported By: Jon Edmondson Approved By: Kris Rogers

The cover letter is an integral part of this report.
Rev 230787

Quanterra Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5452
LAB ID: 096224-0003-SA
Matrix: AQUEOUS Sampled: 16 NOV 97 Received: 21 NOV 97
Authorized: 21 NOV 97 Prepared: 25 NOV 97 Analyzed: 15 DEC 97

Dilution Factor: 1.0

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	1.0	
1,3,5-Trinitrobenzene	ND	ug/L	0.30	
RDX	ND	ug/L	0.80	
1,3-Dinitrobenzene	ND	ug/L	0.10	
Nitrobenzene	ND	ug/L	1.0	
2,4,6-Trinitrotoluene	ND	ug/L	0.10	
Tetryl	ND	ug/L	1.0	
2,4-Dinitrotoluene	ND	ug/L	0.10	
2,6-Dinitrotoluene	ND	ug/L	0.30	
2-Am-DNT	ND	ug/L	0.10	
4-Am-DNT	ND	ug/L	0.10	
2-Nitrotoluene	ND	ug/L	1.0	
4-Nitrotoluene	ND	ug/L	1.0	
3-Nitrotoluene	ND	ug/L	1.0	

Surrogate	Recovery	Acceptable Range	
2,4-Dinitrofluorobenzene	ND %	65 - 135	i

Note i = Surrogate recovery is outside of control limits.
ND = Not Detected

Reported By: Jon Edmondson Approved By: Kris Rogers

The cover letter is an integral part of this report.
Rev 230787

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Special Services - LC Mass Spectrometry

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
096224-0001-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A
096224-0002-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A
096224-0003-SA	AQUEOUS	8330-LOW-A	25 NOV 97-7A	25 NOV 97-7A

Quanterra Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Special Services - LC Mass Spectrometry

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8330-LOW-A								
Matrix: AQUEOUS								
QC Lot: 25 NOV 97-7A								
Concentration Units: ug/L								
HMX	0.5	0.502	0.503	0.502	100	65-135	0.1	35.0
1,3,5-Trinitrobenzene	0.5	0.502	0.512	0.507	101	65-135	2.0	35.0
RDX	0.5	0.468	0.506	0.487	97	65-135	7.7	35.0
1,3-Dinitrobenzene	0.5	0.479	0.509	0.494	99	65-135	6.1	35.0
Nitrobenzene	0.5	0.440	0.488	0.464	93	65-135	10	35.0
2,4,6-Trinitrotoluene	0.5	0.529	0.522	0.526	105	65-135	1.5	35.0
Tetryl	0.5	0.490	0.465	0.478	96	65-135	5.3	35.0
2,4-Dinitrotoluene	0.5	0.468	0.494	0.481	96	65-135	5.5	35.0
2,6-Dinitrotoluene	0.5	0.474	0.497	0.485	97	65-135	4.7	35.0
2-Am-DNT	0.5	0.513	0.528	0.521	104	65-135	2.9	35.0
4-Am-DNT	0.5	0.518	0.533	0.525	105	65-135	2.8	35.0
2-Nitrotoluene	0.5	0.503	0.511	0.507	101	65-135	1.6	35.0
4-Nitrotoluene	0.5	0.528	0.465	0.497	99	65-135	13	35.0
3-Nitrotoluene	0.5	0.494	0.535	0.514	103	65-135	8.1	35.0
2,4-Dinitrofluorobenzene	2.6	2.1	2.1	2.1	80	65-135	2.7	35.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Special Services - LC Mass Spectrometry

Test: 8330-LOW-A
Matrix: AQUEOUS
QC Lot: 25 NOV 97-7A QC Run: 25 NOV 97-7A

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/L	1.0
1,3,5-Trinitrobenzene	ND	ug/L	0.30
RDX	ND	ug/L	0.80
1,3-Dinitrobenzene	ND	ug/L	0.10
Nitrobenzene	ND	ug/L	1.0
2,4,6-Trinitrotoluene	ND	ug/L	0.10
Tetryl	ND	ug/L	1.0
2,4-Dinitrotoluene	ND	ug/L	0.10
2,6-Dinitrotoluene	ND	ug/L	0.30
2-Am-DNT	ND	ug/L	0.10
4-Am-DNT	ND	ug/L	0.10
2-Nitrotoluene	ND	ug/L	1.0
4-Nitrotoluene	ND	ug/L	1.0
3-Nitrotoluene	ND	ug/L	1.0