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-GW Dry Season Event
SDG #: PB023

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 18, 1998

200-1e

G05OH001826_03.02_1003_a

SAMPLE SUMMARY

Quanterra Environmental Services

PB023 : H8E130174

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH57T	001	5455	05/12/98	10:35
CH584	002	5465	05/12/98	15:20
CH585	003	5735	05/12/98	14:45
CH586	004	9007	05/12/98	16:30
CH587	005	5455	05/12/98	10:35
CH589	006	5465	05/12/98	15:20
CH58A	007	5735	05/12/98	14:45

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)

SAMPLE SUMMARY

Quanterra Environmental Services

PB023 : H8E140209

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH6CR	001	5485	05/13/98	13:45
CH6CT	002	5495	05/13/98	09:05
CH6CV	003	5496	05/13/98	09:05
CH6CW	004	5525	05/13/98	14:55
CH6CX	005	5585	05/13/98	11:30
CH6D0	006	5725	05/13/98	09:10
CH6D1	007	5745	05/13/98	08:00
CH6D2	008	9008	05/13/98	10:00
CH6D4	009	5485	05/13/98	13:45
CH6D6	010	5495	05/13/98	09:05
CH6D8	011	5496	05/13/98	09:05
CH6DA	012	5525	05/13/98	14:55
CH6DD	013	5585	05/13/98	11:30
CH6DG	014	5725	05/13/98	09:10
CH6DH	015	5745	05/13/98	08:00

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SAMPLE SUMMARY

Quanterra Environmental Services

PB023 : H8E160146

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH85X	001	5475	05/14/98	11:30
CH862	002	5515	05/14/98	13:50
CH863	003	5605	05/14/98	08:00
CH865	004	5755	05/14/98	14:10
CH866	005	5765	05/14/98	12:00
CH867	006	5766	05/14/98	12:00
CH868	007	5775	05/14/98	12:30
CH869	008	9010	05/14/98	10:00
CH86A	009	5475	05/14/98	11:30
CH86C	010	5515	05/14/98	13:50
CH86G	011	5605	05/14/98	08:00
CH86H	012	5755	05/14/98	14:10
CH86J	013	5765	05/14/98	12:00
CH86K	014	5766	05/14/98	12:00
CH86L	015	5775	05/14/98	12:30

NOTE(S):

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SDG SAMPLE SUMMARY REPORT

Quanterra Environmental Services

PB023

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E130102-003	X	05/12/98	INTRA-LAB QC
B8E140136-003	X	05/14/98	INTRA-LAB QC
B8E160108-005	D	05/16/98	LAB MS/MSD
B8E160108-005	S	05/16/98	LAB MS/MSD
B8E170000-120	L	05/13/98	DUPLICATE CHECK
B8E170000-121	L	05/12/98	DUPLICATE CHECK
B8E210000-269	L	05/16/98	DUPLICATE CHECK
B8E210000-284	L	05/20/98	DUPLICATE CHECK
B8E220000-131	L	05/06/98	DUPLICATE CHECK
B8E220000-138	L	05/14/98	DUPLICATE CHECK
B8E220000-163	L	05/14/98	DUPLICATE CHECK
B8E220000-164	L	05/14/98	DUPLICATE CHECK
B8E220000-229	L	05/18/98	DUPLICATE CHECK
B8E270000-225	L	05/13/98	DUPLICATE CHECK
B8E270000-230	L	05/15/98	DUPLICATE CHECK
B8E270000-235	L	05/14/98	DUPLICATE CHECK
B8F010000-340	L	05/14/98	DUPLICATE CHECK
B8F040000-261	L	05/14/98	DUPLICATE CHECK
H8E060126-001	D	05/06/98	LAB MS/MSD
H8E060126-001	S	05/06/98	LAB MS/MSD
H8E130174-001		05/13/98	5455
H8E130174-001	X	05/13/98	5455 DUP
H8E130174-002		05/13/98	5465
H8E130174-003		05/13/98	5735
H8E130174-003	D	05/13/98	5735
H8E130174-003	S	05/13/98	5735
H8E130174-004		05/13/98	9007
H8E130174-005		05/13/98	5455
H8E130174-006		05/13/98	5465
H8E130174-007		05/13/98	5735
H8E140000-131	L	05/13/98	DUPLICATE CHECK
H8E140000-133	L	05/13/98	DUPLICATE CHECK

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SDG SAMPLE SUMMARY REPORT

Quanterra Environmental Services

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IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E140000-148	L	05/08/98	DUPLICATE CHECK
H8E140209-001		05/14/98	5485
H8E140209-002		05/14/98	5495
H8E140209-003		05/14/98	5496
H8E140209-004		05/14/98	5525
H8E140209-005		05/14/98	5585
H8E140209-005	D	05/14/98	5585
H8E140209-005	S	05/14/98	5585
H8E140209-006		05/14/98	5725
H8E140209-007		05/14/98	5745
H8E140209-008		05/14/98	9008
H8E140209-009		05/14/98	5485
H8E140209-010		05/14/98	5495
H8E140209-011		05/14/98	5496
H8E140209-012		05/14/98	5525
H8E140209-013		05/14/98	5585
H8E140209-013	D	05/14/98	5585
H8E140209-013	S	05/14/98	5585
H8E140209-014		05/14/98	5725
H8E140209-015		05/14/98	5745
H8E160146-001		05/15/98	5475
H8E160146-002		05/15/98	5515
H8E160146-003		05/15/98	5605
H8E160146-004		05/15/98	5755
H8E160146-004	D	05/15/98	5755
H8E160146-004	S	05/15/98	5755
H8E160146-005		05/15/98	5765
H8E160146-006		05/15/98	5766
H8E160146-007		05/15/98	5775
H8E160146-008		05/15/98	9010
H8E160146-009		05/15/98	5475
H8E160146-010		05/15/98	5515
H8E160146-011		05/15/98	5605
H8E160146-012		05/15/98	5755
H8E160146-013		05/15/98	5765
H8E160146-014		05/15/98	5766
H8E160146-015		05/15/98	5775
H8E160154-007	X	05/16/98	INTRA-LAB QC
H8E180160-004	X	05/18/98	INTRA-LAB QC

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SDG SAMPLE SUMMARY REPORT

Quanterra Environmental Services

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IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E210000-152	L	05/15/98	DUPLICATE CHECK

ANALYTICAL METHODS SUMMARY

Quanterra Environmental Services

PB023

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 result for methylene chloride for method blank CHD95101 was greater than the reporting limit, but less than 5 times the reporting limit. Methylene chloride is considered a common laboratory contaminant.

Semivolatiles

The matrix spike/matrix spike duplicate RPD results for sample 5585 were acceptable for all analytes except 4-chloro-3-methylphenol. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results may be attributed to lack of sample homogeneity.

Metals

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample 5585 (total and dissolved) 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. 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.

Wet Chemistry

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample 5585 were outside control limits for chloride, sulfate, nitrate, TOC and cyanide. However, the associated laboratory control samples showed acceptable results indicating that the analysis was in control. The results are, therefore, attributed to matrix effects.

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Quanterra
Environmental Services

PROJECT NARRATIVE

COMMENTS:

Volatiles

Samples 5475, 5455 and 5465 were reported with elevated reporting limits for all analytes. Based on screening results, a dilution was necessary prior to analysis; the reporting limits were adjusted accordingly.

PCBs

Sample 5455 and 5475 were reported with elevated reporting limits for all analytes due to the difficult sample matrix. The lowest dilution that could be analyzed was performed; the reporting limits were adjusted accordingly.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

GC/MS Volatiles

Lot-Sample #...: H8E130174-001 **Work Order #...:** CH57T101 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8139125
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**4.4 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	**63**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**31**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**50 B**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**39**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**500**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

GC/MS Volatiles

Lot-Sample #...: H8E130174-001 **Work Order #...:** CH57T101 **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: 5465

GC/MS Volatiles

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH584101 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	**10**	**10**	**ug/L**
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**3.2 J,B**	**5.0**	**ug/L**
Acetone	**41 J**	**50**	**ug/L**
Carbon disulfide	**1.7 J**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	**18 J**	**25**	**ug/L**
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**130**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**20**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**43**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**220**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	87	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

GC/MS Volatiles

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH584101 **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: 5735

GC/MS Volatiles

Lot-Sample #...: H8E130174-003 **Work Order #...:** CH585101 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/18/98
Prep Batch #...: 8138145
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.69 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.45 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.34 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

GC/MS Volatiles

Lot-Sample #...: H8E130174-003 **Work Order #...:** CH585101 **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: 9007

GC/MS Volatiles

Lot-Sample #...: H8E130174-004 **Work Order #...:** CH586101 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/18/98
Prep Batch #...: 8138145
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.72 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9007

GC/MS Volatiles

Lot-Sample #...: H8E130174-004 **Work Order #...:** CH586101 **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: 5485

GC/MS Volatiles

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.41 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**0.97 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	88	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

GC/MS Volatiles

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR101 **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: 5495

GC/MS Volatiles

Lot-Sample #...: H8E140209-002 **Work Order #...:** CH6CT101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.39 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**1.2**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

GC/MS Volatiles

Lot-Sample #...: H8E140209-002 **Work Order #...:** CH6CT101 **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: 5496

GC/MS Volatiles

Lot-Sample #...: H8E140209-003 **Work Order #...:** CH6CV101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.36 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**1.1**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	**0.14 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

GC/MS Volatiles

Lot-Sample #...: H8E140209-003 **Work Order #...:** CH6CV101 **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: 5525

GC/MS Volatiles

Lot-Sample #...: H8E140209-004 **Work Order #...:** CH6CW101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.33 J,B**	**1.0**	**ug/L**
Acetone	**6.6 J**	**10**	**ug/L**
Carbon disulfide	**0.35 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.50 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.15 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

GC/MS Volatiles

Lot-Sample #...: H8E140209-004 **Work Order #...:** CH6CW101 **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: 5585

GC/MS Volatiles

Lot-Sample #...: H8E140209-005 **Work Order #...:** CH6CX101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

GC/MS Volatiles

Lot-Sample #...: H8E140209-005 **Work Order #...:** CH6CX101 **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: 5725

GC/MS Volatiles

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D0101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
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: 5725

GC/MS Volatiles

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D0101 **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: 5745

GC/MS Volatiles

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D1101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

GC/MS Volatiles

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D1101 **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: 9008

GC/MS Volatiles

Lot-Sample #...: H8E140209-008 **Work Order #...:** CH6D2101 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.68 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.47 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.37 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9008

GC/MS Volatiles

Lot-Sample #...: H8E140209-008 **Work Order #...:** CH6D2101 **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: 5475

GC/MS Volatiles

Lot-Sample #...: H8E160146-001 **Work Order #...:** CH85X101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 200 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	400	ug/L
Bromomethane	ND	400	ug/L
Vinyl chloride	ND	400	ug/L
Chloroethane	ND	400	ug/L
Methylene chloride	**160 J,B**	**200**	**ug/L**
Acetone	ND	2000	ug/L
Carbon disulfide	ND	200	ug/L
1,1-Dichloroethene	ND	200	ug/L
1,1-Dichloroethane	ND	200	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Chloroform	ND	200	ug/L
1,2-Dichloroethane	ND	200	ug/L
2-Butanone	ND	1000	ug/L
1,1,1-Trichloroethane	ND	200	ug/L
Carbon tetrachloride	ND	200	ug/L
Bromodichloromethane	ND	200	ug/L
1,2-Dichloropropane	ND	200	ug/L
cis-1,3-Dichloropropene	ND	200	ug/L
Trichloroethene	ND	200	ug/L
Dibromochloromethane	ND	200	ug/L
1,1,2-Trichloroethane	ND	200	ug/L
Benzene	ND	200	ug/L
trans-1,3-Dichloropropene	ND	200	ug/L
Bromoform	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
2-Hexanone	ND	1000	ug/L
Tetrachloroethene	ND	200	ug/L
1,1,2,2-Tetrachloroethane	ND	200	ug/L
Toluene	**29 J**	**200**	**ug/L**
Chlorobenzene	ND	200	ug/L
Ethylbenzene	ND	200	ug/L
Styrene	ND	200	ug/L
Xylenes (total)	ND	200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

GC/MS Volatiles

Lot-Sample #...: H8E160146-001 **Work Order #...:** CH85X101 **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: 5515

GC/MS Volatiles

Lot-Sample #...: H8E160146-002 **Work Order #...:** CH862101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.49 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	88	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

GC/MS Volatiles

Lot-Sample #...: H8E160146-002 Work Order #...: CH862101 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: 5605

GC/MS Volatiles

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH863101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.55 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

GC/MS Volatiles

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH863101 **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: 5755

GC/MS Volatiles

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH865101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.62 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	**0.32 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	87	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

GC/MS Volatiles

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH865101 **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: 5765

GC/MS Volatiles

Lot-Sample #...: H8E160146-005 **Work Order #...:** CH866101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

GC/MS Volatiles

Lot-Sample #...: H8E160146-005 **Work Order #...:** CH866101 **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: 5766

GC/MS Volatiles

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH867101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.95 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	**0.25 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

GC/MS Volatiles

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH867101 **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: 5775

GC/MS Volatiles

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH868101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.95 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	**0.19 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

GC/MS Volatiles

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH868101 **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: 9010

GC/MS Volatiles

Lot-Sample #...: H8E160146-008 **Work Order #...:** CH869101 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.89 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.44 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	**0.16 J**	**1.0**	**ug/L**
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.33 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9010

GC/MS Volatiles

Lot-Sample #...: H8E160146-008 **Work Order #...:** CH869101 **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 #...: PB023 **Work Order #...:** CH8DE101 **Matrix.....:** WATER
MB Lot-Sample #: H8E180000-145

Prep Date.....: 05/18/98
Analysis Date..: 05/18/98 **Prep Batch #...:** 8138145
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**	**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
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CH8DE101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CH8DE102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E180000-145
Prep Date.....: 05/18/98 **Analysis Date..:** 05/18/98
Prep Batch #...: 8138145
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**97**	**(70 - 137)**	**SW846 8260A**
Benzene	**95**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**98**	**(75 - 129)**	**SW846 8260A**
Toluene	**93**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**96**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	88	(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 #...: PB023 **Work Order #...:** CH94T101 **Matrix.....:** WATER
MB Lot-Sample #: H8E190000-125

Prep Date.....: 05/19/98
Analysis Date..: 05/19/98 **Prep Batch #...:** 8139125
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	**0.46 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	**0.14 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
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CH94T101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CH94T102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E190000-125
Prep Date.....: 05/19/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8139125
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**93**	**(70 - 137)**	**SW846 8260A**
Benzene	**94**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**98**	**(75 - 129)**	**SW846 8260A**
Toluene	**90**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**95**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	88	(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 #...: PB023 **Work Order #...:** CHADW101 **Matrix.....:** WATER
MB Lot-Sample #: H8E200000-210

Prep Date.....: 05/20/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8140210
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**	**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
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CHADW101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CH6CX102-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E140209-005 CH6CX103-MSD
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**97**	**(70 - 137)**			**SW846 8260A**
	98	**(70 - 137)**	**0.17**	**(0-12)**	**SW846 8260A**
Trichloroethene	**103**	**(75 - 129)**			**SW846 8260A**
	104	**(75 - 129)**	**0.44**	**(0-14)**	**SW846 8260A**
Benzene	**99**	**(76 - 123)**			**SW846 8260A**
	99	**(76 - 123)**	**0.49**	**(0-10)**	**SW846 8260A**
Toluene	**97**	**(77 - 115)**			**SW846 8260A**
	97	**(77 - 115)**	**0.40**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**100**	**(78 - 116)**			**SW846 8260A**
	101	**(78 - 116)**	**0.79**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
	97	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
	93	(67 - 128)
Toluene-d8	95	(71 - 119)
	94	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)
	89	(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 #...: PB023 **Work Order #...:** CHADW102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E200000-210
Prep Date.....: 05/20/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8140210
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**99**	**(70 - 137)**	**SW846 8260A**
Benzene	**97**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**100**	**(75 - 129)**	**SW846 8260A**
Toluene	**96**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**99**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	88	(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 #...: PB023 **Work Order #...:** CHD95101 **Matrix.....:** WATER
MB Lot-Sample #: H8E220000-139

Prep Date.....: 05/22/98
Analysis Date..: 05/22/98 **Prep Batch #...:** 8142139
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**	**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
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB023 **Work Order #...:** CHD95102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E220000-139
Prep Date.....: 05/22/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8142139
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**103**	**(70 - 137)**	**SW846 8260A**
Benzene	**102**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**107**	**(75 - 129)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**104**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	88	(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: 5455

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-001 **Work Order #...:** CH57T102 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8134133
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**15**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.6 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**18**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**31**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-001 **Work Order #...:** CH57T102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	**2.3 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**23**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(27 - 106)
Phenol-d5	66	(27 - 111)
Nitrobenzene-d5	66	(37 - 115)
2-Fluorobiphenyl	74	(43 - 116)
2,4,6-Tribromophenol	83	(27 - 127)
Terphenyl-d14	75	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH584102 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8134133
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**74**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**1.6 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**1.6 J**	**10**	**ug/L**
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**8.6 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**8.1 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**5.6 J**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH584102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**5.6 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	83	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	70	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-003 **Work Order #...:** CH585102 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8134133
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

GC/MS Semivolatiles

Lot-Sample #...: H8E130174-003 **Work Order #...:** CH585102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	56	(27 - 106)
Phenol-d5	66	(27 - 111)
Nitrobenzene-d5	72	(37 - 115)
2-Fluorobiphenyl	75	(43 - 116)
2,4,6-Tribromophenol	85	(27 - 127)
Terphenyl-d14	89	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(27 - 106)
Phenol-d5	72	(27 - 111)
Nitrobenzene-d5	78	(37 - 115)
2-Fluorobiphenyl	80	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	90	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-002 **Work Order #...:** CH6CT102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-002 Work Order #...: CH6CT102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(27 - 106)
Phenol-d5	69	(27 - 111)
Nitrobenzene-d5	71	(37 - 115)
2-Fluorobiphenyl	75	(43 - 116)
2,4,6-Tribromophenol	89	(27 - 127)
Terphenyl-d14	48	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-003 **Work Order #...:** CH6CV102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-003 Work Order #...: CH6CV102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(27 - 106)
Phenol-d5	28	(27 - 111)
Nitrobenzene-d5	81	(37 - 115)
2-Fluorobiphenyl	87	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	42	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-004 **Work Order #...:** CH6CW102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-004 Work Order #...: CH6CW102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	82	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	98	(27 - 127)
Terphenyl-d14	72	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-005 **Work Order #...:** CH6CX104 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-005 **Work Order #...:** CH6CX104 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	37	(27 - 106)
Phenol-d5	52	(27 - 111)
Nitrobenzene-d5	55	(37 - 115)
2-Fluorobiphenyl	56	(43 - 116)
2,4,6-Tribromophenol	75	(27 - 127)
Terphenyl-d14	79	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D0102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D0102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	46	(27 - 106)
Phenol-d5	61	(27 - 111)
Nitrobenzene-d5	69	(37 - 115)
2-Fluorobiphenyl	66	(43 - 116)
2,4,6-Tribromophenol	79	(27 - 127)
Terphenyl-d14	82	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D1102 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

GC/MS Semivolatiles

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D1102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	41	(27 - 106)
Phenol-d5	53	(27 - 111)
Nitrobenzene-d5	60	(37 - 115)
2-Fluorobiphenyl	59	(43 - 116)
2,4,6-Tribromophenol	90	(27 - 127)
Terphenyl-d14	74	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-001 **Work Order #...:** CH85X102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-001 **Work Order #...:** CH85X102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	41	(27 - 106)
Phenol-d5	49	(27 - 111)
Nitrobenzene-d5	52	(37 - 115)
2-Fluorobiphenyl	56	(43 - 116)
2,4,6-Tribromophenol	76	(27 - 127)
Terphenyl-d14	85	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-002 Work Order #...: CH862102 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98
Prep Date.....: 05/21/98 Analysis Date..: 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1 Method.....: SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-002 **Work Order #...:** CH862102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	81	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	68	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH863102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH863102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(27 - 106)
Phenol-d5	65	(27 - 111)
Nitrobenzene-d5	77	(37 - 115)
2-Fluorobiphenyl	72	(43 - 116)
2,4,6-Tribromophenol	88	(27 - 127)
Terphenyl-d14	46	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH865102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH865102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	83	(37 - 115)
2-Fluorobiphenyl	88	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	76	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-005 **Work Order #...:** CH866102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-005 **Work Order #...:** CH866102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.5 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(27 - 106)
Phenol-d5	80	(27 - 111)
Nitrobenzene-d5	91	(37 - 115)
2-Fluorobiphenyl	90	(43 - 116)
2,4,6-Tribromophenol	105	(27 - 127)
Terphenyl-d14	61	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH867102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH867102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(27 - 106)
Phenol-d5	77	(27 - 111)
Nitrobenzene-d5	85	(37 - 115)
2-Fluorobiphenyl	88	(43 - 116)
2,4,6-Tribromophenol	106	(27 - 127)
Terphenyl-d14	66	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH868102 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

GC/MS Semivolatiles

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH868102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(27 - 106)
Phenol-d5	80	(27 - 111)
Nitrobenzene-d5	88	(37 - 115)
2-Fluorobiphenyl	86	(43 - 116)
2,4,6-Tribromophenol	99	(27 - 127)
Terphenyl-d14	55	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB023 **Work Order #...:** CH5HC101 **Matrix.....:** WATER
MB Lot-Sample #: H8E140000-133

Prep Date.....: 05/14/98
Analysis Date..: 05/29/98 **Prep Batch #...:** 8134133
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 #...: PB023 **Work Order #...:** CH5HC101 **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	**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	72	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	88	(37 - 115)
2-Fluorobiphenyl	86	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	91	(33 - 141)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB023 **Work Order #...:** CH5HC102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E140000-133 CH5HC103-LCSD
Prep Date.....: 05/14/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8134133
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**80**	**(28 - 113)**			**SW846 8270B**
	76	**(28 - 113)**	**5.1**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**84**	**(52 - 103)**			**SW846 8270B**
	82	**(52 - 103)**	**2.9**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(40 - 100)**			**SW846 8270B**
	73	**(40 - 100)**	**3.9**	**(0-20)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**82**	**(22 - 125)**			**SW846 8270B**
	77	**(22 - 125)**	**5.8**	**(0-21)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**83**	**(49 - 100)**			**SW846 8270B**
	84	**(49 - 100)**	**0.95**	**(0-20)**	**SW846 8270B**
4-Chloro-3-methylphenol	**90**	**(54 - 110)**			**SW846 8270B**
	86	**(54 - 110)**	**4.7**	**(0-20)**	**SW846 8270B**
Acenaphthene	**88**	**(58 - 113)**			**SW846 8270B**
	83	**(58 - 113)**	**5.4**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**79**	**(18 - 135)**			**SW846 8270B**
	76	**(18 - 135)**	**3.8**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**93**	**(59 - 120)**			**SW846 8270B**
	86	**(59 - 120)**	**8.1**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**96**	**(20 - 123)**			**SW846 8270B**
	88	**(20 - 123)**	**9.1**	**(0-31)**	**SW846 8270B**
Pyrene	**96**	**(54 - 122)**			**SW846 8270B**
	90	**(54 - 122)**	**6.2**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(27 - 106)
	69	(27 - 106)
Phenol-d5	87	(27 - 111)
	79	(27 - 111)
Nitrobenzene-d5	92	(37 - 115)
	86	(37 - 115)
2-Fluorobiphenyl	98	(43 - 116)
	88	(43 - 116)
2,4,6-Tribromophenol	110	(27 - 127)
	96	(27 - 127)
Terphenyl-d14	101	(33 - 141)
	91	(33 - 141)

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 #...: PB023 **Work Order #...:** CH953101 **Matrix.....:** WATER
MB Lot-Sample #: H8E190000-129

Prep Date.....: 05/19/98
Analysis Date..: 05/29/98 **Prep Batch #...:** 8139129
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 #...: PB023 **Work Order #...:** CH953101 **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	53	(27 - 106)
Phenol-d5	69	(27 - 111)
Nitrobenzene-d5	89	(37 - 115)
2-Fluorobiphenyl	79	(43 - 116)
2,4,6-Tribromophenol	77	(27 - 127)
Terphenyl-d14	92	(33 - 141)

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 #...: PB023 **Work Order #...:** CH6CX105-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E140209-005 CH6CX106-MSD
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**63**	**(16 - 116)**			**SW846 8270B**
	74	**(16 - 116)**	**16**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**62**	**(31 - 109)**			**SW846 8270B**
	73	**(31 - 109)**	**16**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**59**	**(40 - 100)**			**SW846 8270B**
	71	**(40 - 100)**	**18**	**(0-26)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**64**	**(22 - 125)**			**SW846 8270B**
	76	**(22 - 125)**	**17**	**(0-27)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**64**	**(43 - 100)**			**SW846 8270B**
	81	**(43 - 100)**	**23**	**(0-29)**	**SW846 8270B**
4-Chloro-3-methylphenol	**68**	**(48 - 110)**			**SW846 8270B**
	84 p	**(48 - 110)**	**22**	**(0-20)**	**SW846 8270B**
Acenaphthene	**66**	**(54 - 113)**			**SW846 8270B**
	80	**(54 - 113)**	**19**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**67**	**(13 - 135)**			**SW846 8270B**
	78	**(13 - 135)**	**15**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**69**	**(59 - 120)**			**SW846 8270B**
	84	**(59 - 120)**	**20**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**78**	**(20 - 133)**			**SW846 8270B**
	78	**(20 - 133)**	**0.21**	**(0-31)**	**SW846 8270B**
Pyrene	**78**	**(46 - 122)**			**SW846 8270B**
	83	**(46 - 122)**	**5.2**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(27 - 106)
	55	(27 - 106)
Phenol-d5	62	(27 - 111)
	74	(27 - 111)
Nitrobenzene-d5	67	(37 - 115)
	83	(37 - 115)
2-Fluorobiphenyl	68	(43 - 116)
	85	(43 - 116)
2,4,6-Tribromophenol	84	(27 - 127)
	92	(27 - 127)
Terphenyl-d14	73	(33 - 141)
	82	(33 - 141)

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 Semivolatiles

Client Lot #...: PB023 **Work Order #...:** CH953102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E190000-129
Prep Date.....: 05/19/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8139129
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**70**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**69**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**67**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**69**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**77**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**82**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**78**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**60**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**78**	**(20 - 123)**	**SW846 8270B**
Pyrene	**95**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(27 - 106)
Phenol-d5	74	(27 - 111)
Nitrobenzene-d5	92	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	85	(27 - 127)
Terphenyl-d14	104	(33 - 141)

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 #...: PB023 **Work Order #...:** CHC7L101 **Matrix.....:** WATER
MB Lot-Sample #: H8E210000-152

Prep Date.....: 05/21/98
Analysis Date..: 06/01/98 **Prep Batch #...:** 8141152
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 #...: PB023 **Work Order #...:** CHC7L101 **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	69	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	87	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	99	(33 - 141)

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 #...: PB023 **Work Order #...:** CHC7L102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E210000-152 CHC7L103-LCSD
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**78**	**(28 - 113)**			**SW846 8270B**
	79	**(28 - 113)**	**2.0**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**77**	**(52 - 103)**			**SW846 8270B**
	81	**(52 - 103)**	**4.7**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**72**	**(40 - 100)**			**SW846 8270B**
	73	**(40 - 100)**	**1.9**	**(0-20)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**74**	**(22 - 125)**			**SW846 8270B**
	77	**(22 - 125)**	**3.4**	**(0-21)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**80**	**(49 - 100)**			**SW846 8270B**
	83	**(49 - 100)**	**3.9**	**(0-20)**	**SW846 8270B**
4-Chloro-3-methylphenol	**83**	**(54 - 110)**			**SW846 8270B**
	85	**(54 - 110)**	**2.7**	**(0-20)**	**SW846 8270B**
Acenaphthene	**84**	**(58 - 113)**			**SW846 8270B**
	82	**(58 - 113)**	**2.7**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**65**	**(18 - 135)**			**SW846 8270B**
	75	**(18 - 135)**	**15**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**84**	**(59 - 120)**			**SW846 8270B**
	82	**(59 - 120)**	**2.9**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**66**	**(20 - 123)**			**SW846 8270B**
	80	**(20 - 123)**	**20**	**(0-31)**	**SW846 8270B**
Pyrene	**101**	**(54 - 122)**			**SW846 8270B**
	104	**(54 - 122)**	**2.3**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
	66	(27 - 106)
Phenol-d5	76	(27 - 111)
	80	(27 - 111)
Nitrobenzene-d5	84	(37 - 115)
	86	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
	86	(43 - 116)
2,4,6-Tribromophenol	89	(27 - 127)
	87	(27 - 127)
Terphenyl-d14	96	(33 - 141)
	102	(33 - 141)

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: 5455

GC Semivolatiles

Lot-Sample #...:	H8E130174-001	**Work Order #...:**	CH57T103	**Matrix.....:**	WATER
Date Sampled...:	05/12/98	**Date Received..:**	05/13/98		
Prep Date.....:	05/14/98	**Analysis Date..:**	06/14/98		
Prep Batch #...:	8134131				
Dilution Factor:	20	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	20	ug/L
Aroclor 1221	ND	20	ug/L
Aroclor 1232	ND	20	ug/L
Aroclor 1242	ND	20	ug/L
Aroclor 1248	ND	20	ug/L
Aroclor 1254	ND	20	ug/L
Aroclor 1260	ND	20	ug/L

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: 5465

GC Semivolatiles

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH584103 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8134131
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	55	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

GC Semivolatiles

Lot-Sample #...: H8E130174-003 **Work Order #...:** CH585103 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8134131
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(30 - 133)
Decachlorobiphenyl	107	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

GC Semivolatiles

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 133)
Decachlorobiphenyl	61	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

GC Semivolatiles

Lot-Sample #...: H8E140209-002 **Work Order #...:** CH6CT103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	42	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

GC Semivolatiles

Lot-Sample #...: H8E140209-003 **Work Order #...:** CH6CV103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(30 - 133)
Decachlorobiphenyl	35	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

GC Semivolatiles

Lot-Sample #...: H8E140209-004 **Work Order #...:** CH6CW103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(30 - 133)
Decachlorobiphenyl	74	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

GC Semivolatiles

Lot-Sample #...: H8E140209-005 **Work Order #...:** CH6CX107 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 133)
Decachlorobiphenyl	104	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

GC Semivolatiles

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D0103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(30 - 133)
Decachlorobiphenyl	90	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

GC Semivolatiles

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D1103 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	64	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

GC Semivolatiles

Lot-Sample #...: H8E160146-001 **Work Order #...:** CH85X103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8138148
Dilution Factor: 20 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	20	ug/L
Aroclor 1221	ND	20	ug/L
Aroclor 1232	ND	20	ug/L
Aroclor 1242	ND	20	ug/L
Aroclor 1248	ND	20	ug/L
Aroclor 1254	ND	20	ug/L
Aroclor 1260	ND	20	ug/L

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: 5515

GC Semivolatiles

Lot-Sample #...: H8E160146-002 **Work Order #...:** CH862103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 133)
Decachlorobiphenyl	63	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

GC Semivolatiles

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH863103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 133)
Decachlorobiphenyl	66	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

GC Semivolatiles

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH865103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(30 - 133)
Decachlorobiphenyl	62	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

GC Semivolatiles

Lot-Sample #...:	H8E160146-005	**Work Order #...:**	CH866103	**Matrix.....:**	WATER
Date Sampled...:	05/14/98	**Date Received..:**	05/15/98		
Prep Date.....:	05/18/98	**Analysis Date..:**	06/09/98		
Prep Batch #...:	8138148				
Dilution Factor:	1	**Method.....:**	SW846 8081		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 133)
Decachlorobiphenyl	49	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

GC Semivolatiles

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH867103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(30 - 133)
Decachlorobiphenyl	44	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

GC Semivolatiles

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH868103 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(30 - 133)
Decachlorobiphenyl	83	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB023 **Work Order #...:** CH5H8101 **Matrix.....:** WATER
MB Lot-Sample #: H8E140000-131

Prep Date.....: 05/14/98
Analysis Date..: 06/08/98 **Prep Batch #...:** 8134131
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	90	(30 - 133)
Decachlorobiphenyl	95	(30 - 139)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB023 **Work Order #...:** CH8DH101 **Matrix.....:** WATER
MB Lot-Sample #: H8E180000-148

Prep Date.....: 05/18/98
Analysis Date..: 06/08/98 **Prep Batch #...:** 8138148
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	111	(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 #...: PB023 **Work Order #...:** CH6CX108-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E140209-005 CH6CX109-MSD
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**104**	**(70 - 158)**			**SW846 8081**
	106	**(70 - 158)**	**2.1**	**(0-25)**	**SW846 8081**
Aroclor 1260	**97**	**(70 - 158)**			**SW846 8081**
	96	**(70 - 158)**	**0.31**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(30 - 133)
	90	(30 - 133)
Decachlorobiphenyl	109	(30 - 139)
	113	(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 #...: PB023 **Work Order #...:** CH5H8102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E140000-131 CH5H8103-LCSD
Prep Date.....: 05/14/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8134131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**106**	**(70 - 158)**			**SW846 8081**
	113	**(70 - 158)**	**6.4**	**(0-25)**	**SW846 8081**
Aroclor 1260	**91**	**(70 - 158)**			**SW846 8081**
	102	**(70 - 158)**	**11**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(30 - 133)
	104	(30 - 133)
Decachlorobiphenyl	102	(30 - 139)
	120	(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 #...: PB023 **Work Order #...:** CH8DH102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E180000-148
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**111**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**102**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95	(30 - 133)
Decachlorobiphenyl	122	(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: 5455

HPLC

Lot-Sample #...: H8E130174-001 **Work Order #...:** CH57T10W **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134148
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
2,4-Dinitrotoluene	**0.23**	**0.20**	**ug/L**
2,6-Dinitrotoluene	ND	0.20	ug/L
HMX	ND	0.50	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrotoluene	**1.1**	**0.20**	**ug/L**
3-Nitrotoluene	**0.31**	**0.20**	**ug/L**
RDX	**2.8**	**0.50**	**ug/L**
Tetryl	**2.4**	**0.20**	**ug/L**
1,3,5-Trinitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

HPLC

Lot-Sample #...: H8E130174-002 **Work Order #...:** CH58410W **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134148
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
1,3-Dinitrobenzene	**0.81**	**0.20**	**ug/L**
2,4-Dinitrotoluene	**2.5**	**0.20**	**ug/L**
2,6-Dinitrotoluene	**1.2**	**0.20**	**ug/L**
HMX	ND	0.50	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L
RDX	ND	0.50	ug/L
Tetryl	ND	0.20	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	122	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

HPLC

Lot-Sample #...:	H8E130174-003	**Work Order #...:**	CH58510W	**Matrix.....:**	WATER
Date Sampled...:	05/12/98	**Date Received..:**	05/13/98		
Prep Date.....:	05/14/98	**Analysis Date..:**	05/23/98		
Prep Batch #...:	8134148				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

HPLC

Lot-Sample #...: H8E140209-001 **Work Order #...:** CH6CR10V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

HPLC

Lot-Sample #...: H8E140209-002 **Work Order #...:** CH6CT10V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

HPLC

Lot-Sample #...: H8E140209-003 **Work Order #...:** CH6CV10V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

HPLC

Lot-Sample #...: H8E140209-004 **Work Order #...:** CH6CW10V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	93	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

HPLC

Lot-Sample #...:	H8E140209-005	**Work Order #...:**	CH6CX12L	**Matrix.....:**	WATER
Date Sampled...:	05/13/98	**Date Received..:**	05/14/98		
Prep Date.....:	05/18/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8138247				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

HPLC

Lot-Sample #...: H8E140209-006 **Work Order #...:** CH6D010V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

HPLC

Lot-Sample #...: H8E140209-007 **Work Order #...:** CH6D110V **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

HPLC

Lot-Sample #...:	H8E160146-001	**Work Order #...:**	CH85X10V	**Matrix.....:**	WATER
Date Sampled...:	05/14/98	**Date Received..:**	05/15/98		
Prep Date.....:	05/18/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8138247				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

HPLC

Lot-Sample #...: H8E160146-002 **Work Order #...:** CH86210V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

HPLC

Lot-Sample #...: H8E160146-003 **Work Order #...:** CH86310V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

HPLC

Lot-Sample #...: H8E160146-004 **Work Order #...:** CH86510V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

HPLC

Lot-Sample #...: H8E160146-005 **Work Order #...:** CH86610V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

HPLC

Lot-Sample #...: H8E160146-006 **Work Order #...:** CH86710V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	90	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

HPLC

Lot-Sample #...: H8E160146-007 **Work Order #...:** CH86810V **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(39 - 157)

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E130174 **Work Order #...:** CH5J4101 **Matrix.....:** WATER
MB Lot-Sample #: H8E140000-148

Prep Date.....: 05/14/98
Analysis Date..: 05/23/98 **Prep Batch #...:** 8134148
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	118	(39 - 157)

NOTE(S):

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E140209 **Work Order #...:** CH8W8101 **Matrix.....:** WATER
MB Lot-Sample #: H8E180000-247

Prep Date.....: 05/18/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8138247
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	(39 - 157)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E140209 Work Order #...: CH6CX12M-MS Matrix.....: WATER
MS Lot-Sample #: H8E140209-005 CH6CX12N-MSD
Date Sampled...: 05/13/98 Date Received..: 05/14/98
Prep Date.....: 05/18/98 Analysis Date..: 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	106	(53 - 153)			SW846 8330
	107	(53 - 153)	1.6	(0-21)	SW846 8330
4-Nitrotoluene	101	(35 - 163)			SW846 8330
	102	(35 - 163)	1.2	(0-25)	SW846 8330
HMX	85	(61 - 124)			SW846 8330
	87	(61 - 124)	2.2	(0-23)	SW846 8330
RDX	108	(82 - 159)			SW846 8330
	112	(82 - 159)	4.2	(0-30)	SW846 8330
1,3,5-Trinitrobenzene	115	(66 - 155)			SW846 8330
	118	(66 - 155)	2.3	(0-18)	SW846 8330
1,3-Dinitrobenzene	112	(78 - 145)			SW846 8330
	114	(78 - 145)	2.5	(0-25)	SW846 8330
Tetryl	96	(47 - 140)			SW846 8330
	96	(47 - 140)	0.34	(0-35)	SW846 8330
Nitrobenzene	102	(69 - 140)			SW846 8330
	107	(69 - 140)	4.5	(0-20)	SW846 8330
2,4,6-Trinitrotoluene	99	(44 - 156)			SW846 8330
	100	(44 - 156)	0.86	(0-24)	SW846 8330
4-Amino-2,6-dinitrotoluen	94	(36 - 162)			SW846 8330
	93	(36 - 162)	0.28	(0-23)	SW846 8330
2,6-Dinitrotoluene	107	(66 - 150)			SW846 8330
	109	(66 - 150)	1.7	(0-19)	SW846 8330
2,4-Dinitrotoluene	107	(63 - 161)			SW846 8330
	109	(63 - 161)	1.6	(0-19)	SW846 8330
2-Nitrotoluene	98	(45 - 149)			SW846 8330
	99	(45 - 149)	1.1	(0-24)	SW846 8330
3-Nitrotoluene	127	(55 - 138)			SW846 8330
	122	(55 - 138)	3.7	(0-23)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)
	101	(39 - 157)

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 #...: H8E130174 **Work Order #...:** CH5J4102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E140000-148 CH5J4103-LCSD
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134148
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**92**	**(67 - 123)**			**SW846 8330**
	104	**(67 - 123)**	**12**	**(0-23)**	**SW846 8330**
RDX	**121**	**(85 - 157)**			**SW846 8330**
	134	**(85 - 157)**	**10**	**(0-30)**	**SW846 8330**
1,3,5-Trinitrobenzene	**119**	**(80 - 141)**			**SW846 8330**
	134	**(80 - 141)**	**12**	**(0-18)**	**SW846 8330**
1,3-Dinitrobenzene	**118**	**(81 - 142)**			**SW846 8330**
	130	**(81 - 142)**	**10**	**(0-25)**	**SW846 8330**
Tetryl	**96**	**(55 - 140)**			**SW846 8330**
	107	**(55 - 140)**	**11**	**(0-35)**	**SW846 8330**
Nitrobenzene	**112**	**(69 - 140)**			**SW846 8330**
	122	**(69 - 140)**	**8.6**	**(0-20)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(69 - 146)**			**SW846 8330**
	113	**(69 - 146)**	**12**	**(0-24)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**94**	**(75 - 130)**			**SW846 8330**
	105	**(75 - 130)**	**11**	**(0-23)**	**SW846 8330**
2,6-Dinitrotoluene	**111**	**(74 - 135)**			**SW846 8330**
	123	**(74 - 135)**	**9.8**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**109**	**(77 - 135)**			**SW846 8330**
	122	**(77 - 135)**	**11**	**(0-19)**	**SW846 8330**
2-Nitrotoluene	**105**	**(58 - 136)**			**SW846 8330**
	115	**(58 - 136)**	**8.6**	**(0-24)**	**SW846 8330**
3-Nitrotoluene	**104**	**(64 - 126)**			**SW846 8330**
	114	**(64 - 126)**	**9.1**	**(0-23)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**108**	**(80 - 131)**			**SW846 8330**
	120	**(80 - 131)**	**11**	**(0-21)**	**SW846 8330**
4-Nitrotoluene	**105**	**(69 - 122)**			**SW846 8330**
	116	**(69 - 122)**	**9.6**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(39 - 157)
	115	(39 - 157)

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 #...: H8E140209 **Work Order #...:** CH8W8102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E180000-247
Prep Date.....: 05/18/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8138247
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**93**	**(67 - 123)**	**SW846 8330**
RDX	**119**	**(85 - 157)**	**SW846 8330**
1,3,5-Trinitrobenzene	**119**	**(80 - 141)**	**SW846 8330**
1,3-Dinitrobenzene	**116**	**(81 - 142)**	**SW846 8330**
Tetryl	**96**	**(55 - 140)**	**SW846 8330**
Nitrobenzene	**113**	**(69 - 140)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(69 - 146)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**93**	**(75 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**110**	**(74 - 135)**	**SW846 8330**
2,4-Dinitrotoluene	**109**	**(77 - 135)**	**SW846 8330**
2-Nitrotoluene	**112**	**(58 - 136)**	**SW846 8330**
3-Nitrotoluene	**108**	**(64 - 126)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**108**	**(80 - 131)**	**SW846 8330**
4-Nitrotoluene	**109**	**(69 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	111	(39 - 157)

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: 5455

TOTAL Metals

Lot-Sample #...: H8E130174-001 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH57T10U
		Dilution Factor: 1		Analysis Time..: 10:51		
Prep Batch #...: 8147191						
Aluminum	468	200	ug/L	SW846 6010A	05/28-06/10/98	CH57T104
		Dilution Factor: 1		Analysis Time..: 12:13		
Arsenic	21.2	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH57T10P
		Dilution Factor: 1		Analysis Time..: 15:57		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH57T10Q
		Dilution Factor: 1		Analysis Time..: 15:57		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T105
		Dilution Factor: 1		Analysis Time..: 12:13		
Barium	1330	200	ug/L	SW846 6010A	05/28-06/10/98	CH57T106
		Dilution Factor: 1		Analysis Time..: 12:13		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH57T10R
		Dilution Factor: 1		Analysis Time..: 15:57		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T107
		Dilution Factor: 1		Analysis Time..: 12:13		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH57T10T
		Dilution Factor: 1		Analysis Time..: 15:57		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T108
		Dilution Factor: 1		Analysis Time..: 12:13		
Calcium	295000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH57T109
		Dilution Factor: 1		Analysis Time..: 12:13		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10A
		Dilution Factor: 1		Analysis Time..: 12:13		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10C
		Dilution Factor: 1		Analysis Time..: 12:13		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10D
		Dilution Factor: 1		Analysis Time..: 12:13		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

TOTAL Metals

Lot-Sample #...: H8E130174-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2540	100	ug/L	SW846 6010A	05/28-06/10/98	CH57T10E
		Dilution Factor: 1		Analysis Time..: 12:13		
Magnesium	230000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH57T10F
		Dilution Factor: 1		Analysis Time..: 12:13		
Manganese	732	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10G
		Dilution Factor: 1		Analysis Time..: 12:13		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10H
		Dilution Factor: 1		Analysis Time..: 12:13		
Potassium	43200	5000	ug/L	SW846 6010A	05/28-06/10/98	CH57T10J
		Dilution Factor: 1		Analysis Time..: 12:13		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10K
		Dilution Factor: 1		Analysis Time..: 12:13		
Sodium	682000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH57T10L
		Dilution Factor: 1		Analysis Time..: 12:13		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10M
		Dilution Factor: 1		Analysis Time..: 12:13		
Zinc	38.3	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH57T10N
		Dilution Factor: 1		Analysis Time..: 12:13		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

DISSOLVED Metals

Lot-Sample #...: H8E130174-005 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH58710Q
		Dilution Factor: 1		Analysis Time..: 11:53		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH587101
		Dilution Factor: 1		Analysis Time..: 14:12		
Arsenic	**19.6**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH58710L**
		Dilution Factor: 1		Analysis Time..: 18:04		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH58710M
		Dilution Factor: 1		Analysis Time..: 18:04		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH587102
		Dilution Factor: 1		Analysis Time..: 14:12		
Barium	**1490**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH587103**
		Dilution Factor: 1		Analysis Time..: 14:12		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH58710N
		Dilution Factor: 1		Analysis Time..: 18:04		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH587104
		Dilution Factor: 1		Analysis Time..: 14:12		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58710P
		Dilution Factor: 1		Analysis Time..: 18:04		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH587105
		Dilution Factor: 1		Analysis Time..: 14:12		
Calcium	**321000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH587106**
		Dilution Factor: 1		Analysis Time..: 14:12		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH587107
		Dilution Factor: 1		Analysis Time..: 14:12		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH587108
		Dilution Factor: 1		Analysis Time..: 14:12		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH587109
		Dilution Factor: 1		Analysis Time..: 14:12		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

DISSOLVED Metals

Lot-Sample #...: H8E130174-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH58710A
		Dilution Factor: 1		Analysis Time..: 14:12		
Magnesium	**259000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58710C**
		Dilution Factor: 1		Analysis Time..: 14:12		
Manganese	**696**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58710D**
		Dilution Factor: 1		Analysis Time..: 14:12		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH58710E
		Dilution Factor: 1		Analysis Time..: 14:12		
Potassium	**47800**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58710F**
		Dilution Factor: 1		Analysis Time..: 14:12		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58710G
		Dilution Factor: 1		Analysis Time..: 14:12		
Sodium	**786000**	**25000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58710H**
		Dilution Factor: 5		Analysis Time..: 15:55		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58710J
		Dilution Factor: 1		Analysis Time..: 14:12		
Zinc	**66.3**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58710K**
		Dilution Factor: 1		Analysis Time..: 14:12		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

TOTAL Metals

Lot-Sample #...: H8E130174-002 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH58410U
		Dilution Factor: 1		Analysis Time..: 10:53		
Prep Batch #...: 8147191						
Aluminum	**10200**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH584104**
		Dilution Factor: 1		Analysis Time..: 12:18		
Arsenic	**34.2**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH58410P**
		Dilution Factor: 1		Analysis Time..: 16:02		
Lead	**38.6**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH58410Q**
		Dilution Factor: 1		Analysis Time..: 16:02		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH584105
		Dilution Factor: 1		Analysis Time..: 12:18		
Barium	**645**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH584106**
		Dilution Factor: 1		Analysis Time..: 12:18		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH58410R
		Dilution Factor: 1		Analysis Time..: 16:02		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH584107
		Dilution Factor: 1		Analysis Time..: 12:18		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58410T
		Dilution Factor: 1		Analysis Time..: 16:02		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH584108
		Dilution Factor: 1		Analysis Time..: 12:18		
Calcium	**1970000**	**50000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH584109**
		Dilution Factor: 10		Analysis Time..: 15:50		
Chromium	**307**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58410A**
		Dilution Factor: 1		Analysis Time..: 12:18		
Cobalt	**63.3**	**50.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58410C**
		Dilution Factor: 1		Analysis Time..: 12:18		
Copper	**62.7**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58410D**
		Dilution Factor: 1		Analysis Time..: 12:18		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

TOTAL Metals

Lot-Sample #...: H8E130174-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	51600	100	ug/L	SW846 6010A	05/28-06/10/98	CH58410E
		Dilution Factor: 1		Analysis Time..: 12:18		
Magnesium	132000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58410F
		Dilution Factor: 1		Analysis Time..: 12:18		
Manganese	5130	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH58410G
		Dilution Factor: 1		Analysis Time..: 12:18		
Nickel	238	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH58410H
		Dilution Factor: 1		Analysis Time..: 12:18		
Potassium	34200	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58410J
		Dilution Factor: 1		Analysis Time..: 12:18		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58410K
		Dilution Factor: 1		Analysis Time..: 12:18		
Sodium	124000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58410L
		Dilution Factor: 1		Analysis Time..: 12:18		
Vanadium	108	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58410M
		Dilution Factor: 1		Analysis Time..: 12:18		
Zinc	137	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH58410N
		Dilution Factor: 1		Analysis Time..: 12:18		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

DISSOLVED Metals

Lot-Sample #...: H8E130174-006 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH58910Q
		Dilution Factor: 1		Analysis Time..: 11:55		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH589101
		Dilution Factor: 1		Analysis Time..: 14:17		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58910L
		Dilution Factor: 1		Analysis Time..: 18:09		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH58910M
		Dilution Factor: 1		Analysis Time..: 18:09		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH589102
		Dilution Factor: 1		Analysis Time..: 14:17		
Barium	**279**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH589103**
		Dilution Factor: 1		Analysis Time..: 14:17		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH58910N
		Dilution Factor: 1		Analysis Time..: 18:09		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH589104
		Dilution Factor: 1		Analysis Time..: 14:17		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58910P
		Dilution Factor: 1		Analysis Time..: 18:09		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH589105
		Dilution Factor: 1		Analysis Time..: 14:17		
Calcium	**70400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH589106**
		Dilution Factor: 1		Analysis Time..: 14:17		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH589107
		Dilution Factor: 1		Analysis Time..: 14:17		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH589108
		Dilution Factor: 1		Analysis Time..: 14:17		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH589109
		Dilution Factor: 1		Analysis Time..: 14:17		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

DISSOLVED Metals

Lot-Sample #...: H8E130174-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH58910A
		Dilution Factor: 1		Analysis Time..: 14:17		
Magnesium	**54300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58910C**
		Dilution Factor: 1		Analysis Time..: 14:17		
Manganese	**995**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58910D**
		Dilution Factor: 1		Analysis Time..: 14:17		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH58910E
		Dilution Factor: 1		Analysis Time..: 14:17		
Potassium	**31200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58910F**
		Dilution Factor: 1		Analysis Time..: 14:17		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58910G
		Dilution Factor: 1		Analysis Time..: 14:17		
Sodium	**124000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58910H**
		Dilution Factor: 1		Analysis Time..: 14:17		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58910J
		Dilution Factor: 1		Analysis Time..: 14:17		
Zinc	**29.1**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58910K**
		Dilution Factor: 1		Analysis Time..: 14:17		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

TOTAL Metals

Lot-Sample #...: H8E130174-003 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH58510U
		Dilution Factor: 1		Analysis Time..: 10:56		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH585104
		Dilution Factor: 1		Analysis Time..: 12:23		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58510P
		Dilution Factor: 1		Analysis Time..: 16:08		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH58510Q
		Dilution Factor: 1		Analysis Time..: 16:08		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH585105
		Dilution Factor: 1		Analysis Time..: 12:23		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH585106
		Dilution Factor: 1		Analysis Time..: 12:23		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH58510R
		Dilution Factor: 1		Analysis Time..: 16:08		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH585107
		Dilution Factor: 1		Analysis Time..: 12:23		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58510T
		Dilution Factor: 1		Analysis Time..: 16:08		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH585108
		Dilution Factor: 1		Analysis Time..: 12:23		
Calcium	**74300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH585109**
		Dilution Factor: 1		Analysis Time..: 12:23		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510A
		Dilution Factor: 1		Analysis Time..: 12:23		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510C
		Dilution Factor: 1		Analysis Time..: 12:23		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510D
		Dilution Factor: 1		Analysis Time..: 12:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

TOTAL Metals

Lot-Sample #...: H8E130174-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH58510E
		Dilution Factor: 1		Analysis Time..: 12:23		
Magnesium	**20700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58510F**
		Dilution Factor: 1		Analysis Time..: 12:23		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510G
		Dilution Factor: 1		Analysis Time..: 12:23		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510H
		Dilution Factor: 1		Analysis Time..: 12:23		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58510J
		Dilution Factor: 1		Analysis Time..: 12:23		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510K
		Dilution Factor: 1		Analysis Time..: 12:23		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58510L
		Dilution Factor: 1		Analysis Time..: 12:23		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58510M
		Dilution Factor: 1		Analysis Time..: 12:23		
Zinc	**25.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58510N**
		Dilution Factor: 1		Analysis Time..: 12:23		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

DISSOLVED Metals

Lot-Sample #...: H8E130174-007 **Matrix.....:** WATER
Date Sampled...: 05/12/98 **Date Received..:** 05/13/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH58A10Q
		Dilution Factor: 1		Analysis Time..: 11:58		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH58A101
		Dilution Factor: 1		Analysis Time..: 14:22		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58A10L
		Dilution Factor: 1		Analysis Time..: 18:15		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH58A10M
		Dilution Factor: 1		Analysis Time..: 18:15		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A102
		Dilution Factor: 1		Analysis Time..: 14:22		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH58A103
		Dilution Factor: 1		Analysis Time..: 14:22		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH58A10N
		Dilution Factor: 1		Analysis Time..: 18:15		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A104
		Dilution Factor: 1		Analysis Time..: 14:22		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH58A10P
		Dilution Factor: 1		Analysis Time..: 18:15		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A105
		Dilution Factor: 1		Analysis Time..: 14:22		
Calcium	**84200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH58A106**
		Dilution Factor: 1		Analysis Time..: 14:22		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A107
		Dilution Factor: 1		Analysis Time..: 14:22		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A108
		Dilution Factor: 1		Analysis Time..: 14:22		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A109
		Dilution Factor: 1		Analysis Time..: 14:22		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

DISSOLVED Metals

Lot-Sample #...: H8E130174-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	121	100	ug/L	SW846 6010A	05/28-06/10/98	CH58A10A
		Dilution Factor: 1		Analysis Time..: 14:22		
Magnesium	22800	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58A10C
		Dilution Factor: 1		Analysis Time..: 14:22		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A10D
		Dilution Factor: 1		Analysis Time..: 14:22		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A10E
		Dilution Factor: 1		Analysis Time..: 14:22		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58A10F
		Dilution Factor: 1		Analysis Time..: 14:22		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A10G
		Dilution Factor: 1		Analysis Time..: 14:22		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH58A10H
		Dilution Factor: 1		Analysis Time..: 14:22		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A10J
		Dilution Factor: 1		Analysis Time..: 14:22		
Zinc	21.5	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH58A10K
		Dilution Factor: 1		Analysis Time..: 14:22		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

TOTAL Metals

Lot-Sample #...: H8E140209-001 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6CR10U
		Dilution Factor: 1		Analysis Time..: 10:58		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CR104
		Dilution Factor: 1		Analysis Time..: 12:28		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CR10P
		Dilution Factor: 1		Analysis Time..: 16:13		
Lead	**20.2**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH6CR10Q**
		Dilution Factor: 1		Analysis Time..: 16:13		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR105
		Dilution Factor: 1		Analysis Time..: 12:28		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CR106
		Dilution Factor: 1		Analysis Time..: 12:28		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CR10R
		Dilution Factor: 1		Analysis Time..: 16:13		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR107
		Dilution Factor: 1		Analysis Time..: 12:28		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CR10T
		Dilution Factor: 1		Analysis Time..: 16:13		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR108
		Dilution Factor: 1		Analysis Time..: 12:28		
Calcium	**153000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CR109**
		Dilution Factor: 1		Analysis Time..: 12:28		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10A
		Dilution Factor: 1		Analysis Time..: 12:28		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10C
		Dilution Factor: 1		Analysis Time..: 12:28		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10D
		Dilution Factor: 1		Analysis Time..: 12:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

TOTAL Metals

Lot-Sample #...: H8E140209-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	5770	100	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10E
		Dilution Factor: 1		Analysis Time..: 12:28		
Magnesium	30500	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10F
		Dilution Factor: 1		Analysis Time..: 12:28		
Manganese	745	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10G
		Dilution Factor: 1		Analysis Time..: 12:28		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10H
		Dilution Factor: 1		Analysis Time..: 12:28		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10J
		Dilution Factor: 1		Analysis Time..: 12:28		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10K
		Dilution Factor: 1		Analysis Time..: 12:28		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10L
		Dilution Factor: 1		Analysis Time..: 12:28		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10M
		Dilution Factor: 1		Analysis Time..: 12:28		
Zinc	37.4	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CR10N
		Dilution Factor: 1		Analysis Time..: 12:28		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

DISSOLVED Metals

Lot-Sample #...: H8E140209-009 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6D410Q
		Dilution Factor: 1		Analysis Time..: 12:00		
Prep Batch #...: 8147200						
Aluminum	**408**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D4101**
		Dilution Factor: 1		Analysis Time..: 14:27		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D410L
		Dilution Factor: 1		Analysis Time..: 18:20		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D410M
		Dilution Factor: 1		Analysis Time..: 18:20		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4102
		Dilution Factor: 1		Analysis Time..: 14:27		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D4103
		Dilution Factor: 1		Analysis Time..: 14:27		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D410N
		Dilution Factor: 1		Analysis Time..: 18:20		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4104
		Dilution Factor: 1		Analysis Time..: 14:27		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D410P
		Dilution Factor: 1		Analysis Time..: 18:20		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4105
		Dilution Factor: 1		Analysis Time..: 14:27		
Calcium	**169000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D4106**
		Dilution Factor: 1		Analysis Time..: 14:27		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4107
		Dilution Factor: 1		Analysis Time..: 14:27		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4108
		Dilution Factor: 1		Analysis Time..: 14:27		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D4109
		Dilution Factor: 1		Analysis Time..: 14:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

DISSOLVED Metals

Lot-Sample #...: H8E140209-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	5580	100	ug/L	SW846 6010A	05/28-06/10/98	CH6D410A
		Dilution Factor: 1		Analysis Time..: 14:27		
Magnesium	33000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D410C
		Dilution Factor: 1		Analysis Time..: 14:27		
Manganese	813	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D410D
		Dilution Factor: 1		Analysis Time..: 14:27		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D410E
		Dilution Factor: 1		Analysis Time..: 14:27		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D410F
		Dilution Factor: 1		Analysis Time..: 14:27		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D410G
		Dilution Factor: 1		Analysis Time..: 14:27		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D410H
		Dilution Factor: 1		Analysis Time..: 14:27		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D410J
		Dilution Factor: 1		Analysis Time..: 14:27		
Zinc	38.9	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D410K
		Dilution Factor: 1		Analysis Time..: 14:27		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

TOTAL Metals

Lot-Sample #...: H8E140209-002 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6CT10U
		Dilution Factor: 1		Analysis Time..: 11:01		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CT104
		Dilution Factor: 1		Analysis Time..: 12:33		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CT10P
		Dilution Factor: 1		Analysis Time..: 16:19		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CT10Q
		Dilution Factor: 1		Analysis Time..: 16:19		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT105
		Dilution Factor: 1		Analysis Time..: 12:33		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CT106
		Dilution Factor: 1		Analysis Time..: 12:33		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CT10R
		Dilution Factor: 1		Analysis Time..: 16:19		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT107
		Dilution Factor: 1		Analysis Time..: 12:33		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CT10T
		Dilution Factor: 1		Analysis Time..: 16:19		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT108
		Dilution Factor: 1		Analysis Time..: 12:33		
Calcium	**512000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CT109**
		Dilution Factor: 1		Analysis Time..: 12:33		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10A
		Dilution Factor: 1		Analysis Time..: 12:33		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10C
		Dilution Factor: 1		Analysis Time..: 12:33		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10D
		Dilution Factor: 1		Analysis Time..: 12:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

TOTAL Metals

Lot-Sample #...: H8E140209-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	26200	100	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10E
		Dilution Factor: 1		Analysis Time..: 12:33		
Magnesium	283000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10F
		Dilution Factor: 1		Analysis Time..: 12:33		
Manganese	5900	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10G
		Dilution Factor: 1		Analysis Time..: 12:33		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10H
		Dilution Factor: 1		Analysis Time..: 12:33		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10J
		Dilution Factor: 1		Analysis Time..: 12:33		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10K
		Dilution Factor: 1		Analysis Time..: 12:33		
Sodium	24700	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10L
		Dilution Factor: 1		Analysis Time..: 12:33		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10M
		Dilution Factor: 1		Analysis Time..: 12:33		
Zinc	41.6	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CT10N
		Dilution Factor: 1		Analysis Time..: 12:33		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

DISSOLVED Metals

Lot-Sample #...: H8E140209-010 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6D610Q
		Dilution Factor: 1		Analysis Time..: 12:03		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D6101
		Dilution Factor: 1		Analysis Time..: 14:32		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D610L
		Dilution Factor: 1		Analysis Time..: 18:26		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D610M
		Dilution Factor: 1		Analysis Time..: 18:26		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6102
		Dilution Factor: 1		Analysis Time..: 14:32		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D6103
		Dilution Factor: 1		Analysis Time..: 14:32		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D610N
		Dilution Factor: 1		Analysis Time..: 18:26		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6104
		Dilution Factor: 1		Analysis Time..: 14:32		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D610P
		Dilution Factor: 1		Analysis Time..: 18:26		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6105
		Dilution Factor: 1		Analysis Time..: 14:32		
Calcium	**545000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D6106**
		Dilution Factor: 1		Analysis Time..: 14:32		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6107
		Dilution Factor: 1		Analysis Time..: 14:32		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6108
		Dilution Factor: 1		Analysis Time..: 14:32		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D6109
		Dilution Factor: 1		Analysis Time..: 14:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

DISSOLVED Metals

Lot-Sample #...: H8E140209-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	39100	100	ug/L	SW846 6010A	05/28-06/10/98	CH6D610A
		Dilution Factor: 1		Analysis Time..: 14:32		
Magnesium	257000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D610C
		Dilution Factor: 1		Analysis Time..: 14:32		
Manganese	5550	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D610D
		Dilution Factor: 1		Analysis Time..: 14:32		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D610E
		Dilution Factor: 1		Analysis Time..: 14:32		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D610F
		Dilution Factor: 1		Analysis Time..: 14:32		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D610G
		Dilution Factor: 1		Analysis Time..: 14:32		
Sodium	24200	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D610H
		Dilution Factor: 1		Analysis Time..: 14:32		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D610J
		Dilution Factor: 1		Analysis Time..: 14:32		
Zinc	34.2	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D610K
		Dilution Factor: 1		Analysis Time..: 14:32		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

TOTAL Metals

Lot-Sample #...: H8E140209-003 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6CV10U
		Dilution Factor: 1		Analysis Time..: 11:03		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CV104
		Dilution Factor: 1		Analysis Time..: 12:38		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CV10P
		Dilution Factor: 1		Analysis Time..: 16:24		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CV10Q
		Dilution Factor: 1		Analysis Time..: 16:24		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV105
		Dilution Factor: 1		Analysis Time..: 12:38		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CV106
		Dilution Factor: 1		Analysis Time..: 12:38		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CV10R
		Dilution Factor: 1		Analysis Time..: 16:24		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV107
		Dilution Factor: 1		Analysis Time..: 12:38		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CV10T
		Dilution Factor: 1		Analysis Time..: 16:24		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV108
		Dilution Factor: 1		Analysis Time..: 12:38		
Calcium	**559000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV109**
		Dilution Factor: 1		Analysis Time..: 12:38		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10A
		Dilution Factor: 1		Analysis Time..: 12:38		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10C
		Dilution Factor: 1		Analysis Time..: 12:38		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10D
		Dilution Factor: 1		Analysis Time..: 12:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

TOTAL Metals

Lot-Sample #...: H8E140209-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**37100**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV10E**
		Dilution Factor: 1		Analysis Time..: 12:38		
Magnesium	**284000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV10F**
		Dilution Factor: 1		Analysis Time..: 12:38		
Manganese	**5870**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV10G**
		Dilution Factor: 1		Analysis Time..: 12:38		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10H
		Dilution Factor: 1		Analysis Time..: 12:38		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10J
		Dilution Factor: 1		Analysis Time..: 12:38		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10K
		Dilution Factor: 1		Analysis Time..: 12:38		
Sodium	**25400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV10L**
		Dilution Factor: 1		Analysis Time..: 12:38		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CV10M
		Dilution Factor: 1		Analysis Time..: 12:38		
Zinc	**36.9**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CV10N**
		Dilution Factor: 1		Analysis Time..: 12:38		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

DISSOLVED Metals

Lot-Sample #...: H8E140209-011 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6D810Q
		Dilution Factor: 1		Analysis Time..: 12:18		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D8101
		Dilution Factor: 1		Analysis Time..: 14:37		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D810L
		Dilution Factor: 1		Analysis Time..: 18:31		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D810M
		Dilution Factor: 1		Analysis Time..: 18:31		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8102
		Dilution Factor: 1		Analysis Time..: 14:37		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D8103
		Dilution Factor: 1		Analysis Time..: 14:37		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D810N
		Dilution Factor: 1		Analysis Time..: 18:31		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8104
		Dilution Factor: 1		Analysis Time..: 14:37		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D810P
		Dilution Factor: 1		Analysis Time..: 18:31		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8105
		Dilution Factor: 1		Analysis Time..: 14:37		
Calcium	**651000**	**50000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D8106**
		Dilution Factor: 10		Analysis Time..: 15:59		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8107
		Dilution Factor: 1		Analysis Time..: 14:37		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8108
		Dilution Factor: 1		Analysis Time..: 14:37		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D8109
		Dilution Factor: 1		Analysis Time..: 14:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5496

DISSOLVED Metals

Lot-Sample #...: H8E140209-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14100	100	ug/L	SW846 6010A	05/28-06/10/98	CH6D810A
		Dilution Factor: 1		Analysis Time..: 14:37		
Magnesium	428000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D810C
		Dilution Factor: 1		Analysis Time..: 14:37		
Manganese	7230	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D810D
		Dilution Factor: 1		Analysis Time..: 14:37		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D810E
		Dilution Factor: 1		Analysis Time..: 14:37		
Potassium	8190	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D810F
		Dilution Factor: 1		Analysis Time..: 14:37		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D810G
		Dilution Factor: 1		Analysis Time..: 14:37		
Sodium	50100	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D810H
		Dilution Factor: 1		Analysis Time..: 14:37		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D810J
		Dilution Factor: 1		Analysis Time..: 14:37		
Zinc	47.4	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D810K
		Dilution Factor: 1		Analysis Time..: 14:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

TOTAL Metals

Lot-Sample #...: H8E140209-004 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	0.22	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6CW10U
		Dilution Factor: 1		Analysis Time..: 11:11		
Prep Batch #...: 8147191						
Aluminum	18600	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CW104
		Dilution Factor: 1		Analysis Time..: 12:43		
Arsenic	55.8	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CW10P
		Dilution Factor: 1		Analysis Time..: 19:45		
Lead	72.2	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CW10Q
		Dilution Factor: 1		Analysis Time..: 19:45		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW105
		Dilution Factor: 1		Analysis Time..: 12:43		
Barium	233	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CW106
		Dilution Factor: 1		Analysis Time..: 12:43		
Selenium	6.5	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CW10R
		Dilution Factor: 1		Analysis Time..: 19:45		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW107
		Dilution Factor: 1		Analysis Time..: 12:43		
Thallium	11.1	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CW10T
		Dilution Factor: 1		Analysis Time..: 19:45		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW108
		Dilution Factor: 1		Analysis Time..: 12:43		
Calcium	355000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CW109
		Dilution Factor: 1		Analysis Time..: 12:43		
Chromium	44.6	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10A
		Dilution Factor: 1		Analysis Time..: 12:43		
Cobalt	68.4	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10C
		Dilution Factor: 1		Analysis Time..: 12:43		
Copper	181	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10D
		Dilution Factor: 1		Analysis Time..: 12:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

TOTAL Metals

Lot-Sample #...: H8E140209-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	91100	100	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10E
		Dilution Factor: 1		Analysis Time..: 12:43		
Magnesium	80400	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10F
		Dilution Factor: 1		Analysis Time..: 12:43		
Manganese	2300	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10G
		Dilution Factor: 1		Analysis Time..: 12:43		
Nickel	142	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10H
		Dilution Factor: 1		Analysis Time..: 12:43		
Potassium	6950	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10J
		Dilution Factor: 1		Analysis Time..: 12:43		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10K
		Dilution Factor: 1		Analysis Time..: 12:43		
Sodium	16500	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10L
		Dilution Factor: 1		Analysis Time..: 12:43		
Vanadium	109	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10M
		Dilution Factor: 1		Analysis Time..: 12:43		
Zinc	685	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CW10N
		Dilution Factor: 1		Analysis Time..: 12:43		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

DISSOLVED Metals

Lot-Sample #...: H8E140209-012 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6DA10Q
		Dilution Factor: 1		Analysis Time..: 12:20		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DA101
		Dilution Factor: 1		Analysis Time..: 14:42		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DA10L
		Dilution Factor: 1		Analysis Time..: 18:37		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DA10M
		Dilution Factor: 1		Analysis Time..: 18:37		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA102
		Dilution Factor: 1		Analysis Time..: 14:42		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DA103
		Dilution Factor: 1		Analysis Time..: 14:42		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DA10N
		Dilution Factor: 1		Analysis Time..: 18:37		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA104
		Dilution Factor: 1		Analysis Time..: 14:42		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DA10P
		Dilution Factor: 1		Analysis Time..: 18:37		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA105
		Dilution Factor: 1		Analysis Time..: 14:42		
Calcium	**285000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA106**
		Dilution Factor: 1		Analysis Time..: 14:42		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA107
		Dilution Factor: 1		Analysis Time..: 14:42		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA108
		Dilution Factor: 1		Analysis Time..: 14:42		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA109
		Dilution Factor: 1		Analysis Time..: 14:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

DISSOLVED Metals

Lot-Sample #...: H8E140209-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**9240**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA10A**
		Dilution Factor: 1		Analysis Time..: 14:42		
Magnesium	**59800**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA10C**
		Dilution Factor: 1		Analysis Time..: 14:42		
Manganese	**2010**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA10D**
		Dilution Factor: 1		Analysis Time..: 14:42		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA10E
		Dilution Factor: 1		Analysis Time..: 14:42		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6DA10F
		Dilution Factor: 1		Analysis Time..: 14:42		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA10G
		Dilution Factor: 1		Analysis Time..: 14:42		
Sodium	**14100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA10H**
		Dilution Factor: 1		Analysis Time..: 14:42		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DA10J
		Dilution Factor: 1		Analysis Time..: 14:42		
Zinc	**27.5**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DA10K**
		Dilution Factor: 1		Analysis Time..: 14:42		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

TOTAL Metals

Lot-Sample #...: H8E140209-005 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6CX12H
		Dilution Factor: 1		Analysis Time..: 11:13		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10A
		Dilution Factor: 1		Analysis Time..: 12:48		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CX124
		Dilution Factor: 1		Analysis Time..: 16:30		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CX127
		Dilution Factor: 1		Analysis Time..: 16:30		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10E
		Dilution Factor: 1		Analysis Time..: 12:48		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10H
		Dilution Factor: 1		Analysis Time..: 12:48		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CX12A
		Dilution Factor: 1		Analysis Time..: 16:30		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10L
		Dilution Factor: 1		Analysis Time..: 12:48		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6CX12E
		Dilution Factor: 1		Analysis Time..: 16:30		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10P
		Dilution Factor: 1		Analysis Time..: 12:48		
Calcium	**282000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6CX10T**
		Dilution Factor: 1		Analysis Time..: 12:48		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX10W
		Dilution Factor: 1		Analysis Time..: 12:48		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX111
		Dilution Factor: 1		Analysis Time..: 12:48		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX114
		Dilution Factor: 1		Analysis Time..: 12:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

TOTAL Metals

Lot-Sample #...: H8E140209-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	294	100	ug/L	SW846 6010A	05/28-06/10/98	CH6CX117
		Dilution Factor: 1		Analysis Time..: 12:48		
Magnesium	113000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11A
		Dilution Factor: 1		Analysis Time..: 12:48		
Manganese	191	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11E
		Dilution Factor: 1		Analysis Time..: 12:48		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11H
		Dilution Factor: 1		Analysis Time..: 12:48		
Potassium	10300	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11L
		Dilution Factor: 1		Analysis Time..: 12:48		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11P
		Dilution Factor: 1		Analysis Time..: 12:48		
Sodium	16700	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11T
		Dilution Factor: 1		Analysis Time..: 12:48		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX11W
		Dilution Factor: 1		Analysis Time..: 12:48		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6CX121
		Dilution Factor: 1		Analysis Time..: 12:48		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

DISSOLVED Metals

Lot-Sample #...: H8E140209-013 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6DD127
		Dilution Factor: 1		Analysis Time..: 12:23		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DD101
		Dilution Factor: 1		Analysis Time..: 14:47		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DD11T
		Dilution Factor: 1		Analysis Time..: 18:42		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DD11W
		Dilution Factor: 1		Analysis Time..: 18:42		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD104
		Dilution Factor: 1		Analysis Time..: 14:47		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DD107
		Dilution Factor: 1		Analysis Time..: 14:47		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DD121
		Dilution Factor: 1		Analysis Time..: 18:42		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD10A
		Dilution Factor: 1		Analysis Time..: 14:47		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DD124
		Dilution Factor: 1		Analysis Time..: 18:42		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD10E
		Dilution Factor: 1		Analysis Time..: 14:47		
Calcium	**347000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD10H**
		Dilution Factor: 1		Analysis Time..: 14:47		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD10L
		Dilution Factor: 1		Analysis Time..: 14:47		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD10P
		Dilution Factor: 1		Analysis Time..: 14:47		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD10T
		Dilution Factor: 1		Analysis Time..: 14:47		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

DISSOLVED Metals

Lot-Sample #...: H8E140209-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**327**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD10W**
		Dilution Factor: 1		Analysis Time..: 14:47		
Magnesium	**137000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD111**
		Dilution Factor: 1		Analysis Time..: 14:47		
Manganese	**238**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD114**
		Dilution Factor: 1		Analysis Time..: 14:47		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD117
		Dilution Factor: 1		Analysis Time..: 14:47		
Potassium	**12600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD11A**
		Dilution Factor: 1		Analysis Time..: 14:47		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD11E
		Dilution Factor: 1		Analysis Time..: 14:47		
Sodium	**19900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DD11H**
		Dilution Factor: 1		Analysis Time..: 14:47		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD11L
		Dilution Factor: 1		Analysis Time..: 14:47		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DD11P
		Dilution Factor: 1		Analysis Time..: 14:47		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

TOTAL Metals

Lot-Sample #...: H8E140209-006 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6D010U
		Dilution Factor: 1		Analysis Time..: 11:21		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D0104
		Dilution Factor: 1		Analysis Time..: 13:17		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D010P
		Dilution Factor: 1		Analysis Time..: 17:03		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D010Q
		Dilution Factor: 1		Analysis Time..: 17:03		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D0105
		Dilution Factor: 1		Analysis Time..: 13:17		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D0106
		Dilution Factor: 1		Analysis Time..: 13:17		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D010R
		Dilution Factor: 1		Analysis Time..: 17:03		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D0107
		Dilution Factor: 1		Analysis Time..: 13:17		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D010T
		Dilution Factor: 1		Analysis Time..: 17:03		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D0108
		Dilution Factor: 1		Analysis Time..: 13:17		
Calcium	**78500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D0109**
		Dilution Factor: 1		Analysis Time..: 13:17		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010A
		Dilution Factor: 1		Analysis Time..: 13:17		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010C
		Dilution Factor: 1		Analysis Time..: 13:17		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010D
		Dilution Factor: 1		Analysis Time..: 13:17		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

TOTAL Metals

Lot-Sample #...: H8E140209-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH6D010E
		Dilution Factor: 1		Analysis Time..: 13:17		
Magnesium	**21100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D010F**
		Dilution Factor: 1		Analysis Time..: 13:17		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010G
		Dilution Factor: 1		Analysis Time..: 13:17		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010H
		Dilution Factor: 1		Analysis Time..: 13:17		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D010J
		Dilution Factor: 1		Analysis Time..: 13:17		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010K
		Dilution Factor: 1		Analysis Time..: 13:17		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D010L
		Dilution Factor: 1		Analysis Time..: 13:17		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D010M
		Dilution Factor: 1		Analysis Time..: 13:17		
Zinc	**29.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D010N**
		Dilution Factor: 1		Analysis Time..: 13:17		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

DISSOLVED Metals

Lot-Sample #...: H8E140209-014 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6DG10Q
		Dilution Factor: 1		Analysis Time..: 12:30		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DG101
		Dilution Factor: 1		Analysis Time..: 15:16		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DG10L
		Dilution Factor: 1		Analysis Time..: 19:34		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DG10M
		Dilution Factor: 1		Analysis Time..: 19:34		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG102
		Dilution Factor: 1		Analysis Time..: 15:16		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DG103
		Dilution Factor: 1		Analysis Time..: 15:16		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DG10N
		Dilution Factor: 1		Analysis Time..: 19:34		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG104
		Dilution Factor: 1		Analysis Time..: 15:16		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DG10P
		Dilution Factor: 1		Analysis Time..: 19:34		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG105
		Dilution Factor: 1		Analysis Time..: 15:16		
Calcium	**92700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DG106**
		Dilution Factor: 1		Analysis Time..: 15:16		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG107
		Dilution Factor: 1		Analysis Time..: 15:16		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG108
		Dilution Factor: 1		Analysis Time..: 15:16		
Copper	**50.7**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DG109**
		Dilution Factor: 1		Analysis Time..: 15:16		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

DISSOLVED Metals

Lot-Sample #...: H8E140209-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10A
		Dilution Factor: 1		Analysis Time..: 15:16		
Magnesium	**25500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DG10C**
		Dilution Factor: 1		Analysis Time..: 15:16		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10D
		Dilution Factor: 1		Analysis Time..: 15:16		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10E
		Dilution Factor: 1		Analysis Time..: 15:16		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10F
		Dilution Factor: 1		Analysis Time..: 15:16		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10G
		Dilution Factor: 1		Analysis Time..: 15:16		
Sodium	**5760**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DG10H**
		Dilution Factor: 1		Analysis Time..: 15:16		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10J
		Dilution Factor: 1		Analysis Time..: 15:16		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DG10K
		Dilution Factor: 1		Analysis Time..: 15:16		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

TOTAL Metals

Lot-Sample #...: H8E140209-007 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6D110U
		Dilution Factor: 1		Analysis Time..: 11:23		
Prep Batch #...: 8147191						
Aluminum	**6810**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D1104**
		Dilution Factor: 1		Analysis Time..: 13:22		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D110P
		Dilution Factor: 1		Analysis Time..: 17:08		
Lead	**9.1**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH6D110Q**
		Dilution Factor: 1		Analysis Time..: 17:08		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D1105
		Dilution Factor: 1		Analysis Time..: 13:22		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6D1106
		Dilution Factor: 1		Analysis Time..: 13:22		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D110R
		Dilution Factor: 1		Analysis Time..: 17:08		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D1107
		Dilution Factor: 1		Analysis Time..: 13:22		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6D110T
		Dilution Factor: 1		Analysis Time..: 17:08		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D1108
		Dilution Factor: 1		Analysis Time..: 13:22		
Calcium	**140000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D1109**
		Dilution Factor: 1		Analysis Time..: 13:22		
Chromium	**15.4**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6D110A**
		Dilution Factor: 1		Analysis Time..: 13:22		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110C
		Dilution Factor: 1		Analysis Time..: 13:22		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110D
		Dilution Factor: 1		Analysis Time..: 13:22		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

TOTAL Metals

Lot-Sample #...: H8E140209-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17000	100	ug/L	SW846 6010A	05/28-06/10/98	CH6D110E
		Dilution Factor: 1		Analysis Time..: 13:22		
Magnesium	35500	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D110F
		Dilution Factor: 1		Analysis Time..: 13:22		
Manganese	477	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110G
		Dilution Factor: 1		Analysis Time..: 13:22		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110H
		Dilution Factor: 1		Analysis Time..: 13:22		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D110J
		Dilution Factor: 1		Analysis Time..: 13:22		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110K
		Dilution Factor: 1		Analysis Time..: 13:22		
Sodium	7030	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6D110L
		Dilution Factor: 1		Analysis Time..: 13:22		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110M
		Dilution Factor: 1		Analysis Time..: 13:22		
Zinc	163	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH6D110N
		Dilution Factor: 1		Analysis Time..: 13:22		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

DISSOLVED Metals

Lot-Sample #...: H8E140209-015 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH6DH10Q
		Dilution Factor: 1		Analysis Time..: 12:32		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DH101
		Dilution Factor: 1		Analysis Time..: 15:21		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DH10L
		Dilution Factor: 1		Analysis Time..: 19:39		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DH10M
		Dilution Factor: 1		Analysis Time..: 19:39		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH102
		Dilution Factor: 1		Analysis Time..: 15:21		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH6DH103
		Dilution Factor: 1		Analysis Time..: 15:21		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DH10N
		Dilution Factor: 1		Analysis Time..: 19:39		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH104
		Dilution Factor: 1		Analysis Time..: 15:21		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH6DH10P
		Dilution Factor: 1		Analysis Time..: 19:39		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH105
		Dilution Factor: 1		Analysis Time..: 15:21		
Calcium	**117000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DH106**
		Dilution Factor: 1		Analysis Time..: 15:21		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH107
		Dilution Factor: 1		Analysis Time..: 15:21		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH108
		Dilution Factor: 1		Analysis Time..: 15:21		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH109
		Dilution Factor: 1		Analysis Time..: 15:21		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

DISSOLVED Metals

Matrix.....: WATER

Lot-Sample #...: H8E140209-015

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10A
		Dilution Factor: 1		Analysis Time..: 15:21		
Magnesium	**27700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DH10C**
		Dilution Factor: 1		Analysis Time..: 15:21		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10D
		Dilution Factor: 1		Analysis Time..: 15:21		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10E
		Dilution Factor: 1		Analysis Time..: 15:21		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10F
		Dilution Factor: 1		Analysis Time..: 15:21		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10G
		Dilution Factor: 1		Analysis Time..: 15:21		
Sodium	**7170**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DH10H**
		Dilution Factor: 1		Analysis Time..: 15:21		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH6DH10J
		Dilution Factor: 1		Analysis Time..: 15:21		
Zinc	**27.3**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH6DH10K**
		Dilution Factor: 1		Analysis Time..: 15:21		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

TOTAL Metals

Lot-Sample #...: H8E160146-001 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH85X10U
		Dilution Factor: 1		Analysis Time..: 10:29		
Prep Batch #...: 8147191						
Aluminum	**397**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH85X104**
		Dilution Factor: 1		Analysis Time..: 11:28		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH85X10P
		Dilution Factor: 1		Analysis Time..: 15:07		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH85X10Q
		Dilution Factor: 1		Analysis Time..: 15:07		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X105
		Dilution Factor: 1		Analysis Time..: 11:28		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH85X106
		Dilution Factor: 1		Analysis Time..: 11:28		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH85X10R
		Dilution Factor: 1		Analysis Time..: 15:07		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X107
		Dilution Factor: 1		Analysis Time..: 11:28		
Thallium	**10.1**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH85X10T**
		Dilution Factor: 1		Analysis Time..: 15:07		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X108
		Dilution Factor: 1		Analysis Time..: 11:28		
Calcium	**131000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH85X109**
		Dilution Factor: 1		Analysis Time..: 11:28		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10A
		Dilution Factor: 1		Analysis Time..: 11:28		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10C
		Dilution Factor: 1		Analysis Time..: 11:28		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10D
		Dilution Factor: 1		Analysis Time..: 11:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

TOTAL Metals

Lot-Sample #...: H8E160146-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	450	100	ug/L	SW846 6010A	05/28-06/10/98	CH85X10E
		Dilution Factor: 1		Analysis Time..: 11:28		
Magnesium	76800	5000	ug/L	SW846 6010A	05/28-06/10/98	CH85X10F
		Dilution Factor: 1		Analysis Time..: 11:28		
Manganese	83.8	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10G
		Dilution Factor: 1		Analysis Time..: 11:28		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10H
		Dilution Factor: 1		Analysis Time..: 11:28		
Potassium	38500	5000	ug/L	SW846 6010A	05/28-06/10/98	CH85X10J
		Dilution Factor: 1		Analysis Time..: 11:28		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10K
		Dilution Factor: 1		Analysis Time..: 11:28		
Sodium	282000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH85X10L
		Dilution Factor: 1		Analysis Time..: 11:28		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10M
		Dilution Factor: 1		Analysis Time..: 11:28		
Zinc	67.6	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH85X10N
		Dilution Factor: 1		Analysis Time..: 11:28		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

DISSOLVED Metals

Lot-Sample #...: H8E160146-009 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86A10Q
		Dilution Factor: 1		Analysis Time..: 11:31		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86A101
		Dilution Factor: 1		Analysis Time..: 13:27		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86A10L
		Dilution Factor: 1		Analysis Time..: 17:14		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86A10M
		Dilution Factor: 1		Analysis Time..: 17:14		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A102
		Dilution Factor: 1		Analysis Time..: 13:27		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86A103
		Dilution Factor: 1		Analysis Time..: 13:27		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86A10N
		Dilution Factor: 1		Analysis Time..: 17:14		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A104
		Dilution Factor: 1		Analysis Time..: 13:27		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86A10P
		Dilution Factor: 1		Analysis Time..: 17:14		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A105
		Dilution Factor: 1		Analysis Time..: 13:27		
Calcium	**143000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86A106**
		Dilution Factor: 1		Analysis Time..: 13:27		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A107
		Dilution Factor: 1		Analysis Time..: 13:27		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A108
		Dilution Factor: 1		Analysis Time..: 13:27		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A109
		Dilution Factor: 1		Analysis Time..: 13:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

DISSOLVED Metals

Lot-Sample #...: H8E160146-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH86A10A
		Dilution Factor: 1		Analysis Time..: 13:27		
Magnesium	89400	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86A10C
		Dilution Factor: 1		Analysis Time..: 13:27		
Manganese	51.3	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A10D
		Dilution Factor: 1		Analysis Time..: 13:27		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A10E
		Dilution Factor: 1		Analysis Time..: 13:27		
Potassium	43800	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86A10F
		Dilution Factor: 1		Analysis Time..: 13:27		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A10G
		Dilution Factor: 1		Analysis Time..: 13:27		
Sodium	321000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86A10H
		Dilution Factor: 1		Analysis Time..: 13:27		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A10J
		Dilution Factor: 1		Analysis Time..: 13:27		
Zinc	42.8	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86A10K
		Dilution Factor: 1		Analysis Time..: 13:27		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

TOTAL Metals

Lot-Sample #...: H8E160146-002 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86210U
		Dilution Factor: 1		Analysis Time..: 10:32		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH862104
		Dilution Factor: 1		Analysis Time..: 11:33		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86210P
		Dilution Factor: 1		Analysis Time..: 15:12		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86210Q
		Dilution Factor: 1		Analysis Time..: 15:12		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH862105
		Dilution Factor: 1		Analysis Time..: 11:33		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH862106
		Dilution Factor: 1		Analysis Time..: 11:33		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86210R
		Dilution Factor: 1		Analysis Time..: 15:12		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH862107
		Dilution Factor: 1		Analysis Time..: 11:33		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86210T
		Dilution Factor: 1		Analysis Time..: 15:12		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH862108
		Dilution Factor: 1		Analysis Time..: 11:33		
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH862109**
		Dilution Factor: 1		Analysis Time..: 11:33		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210A
		Dilution Factor: 1		Analysis Time..: 11:33		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210C
		Dilution Factor: 1		Analysis Time..: 11:33		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210D
		Dilution Factor: 1		Analysis Time..: 11:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

TOTAL Metals

Lot-Sample #...: H8E160146-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH86210E
		Dilution Factor: 1		Analysis Time..: 11:33		
Magnesium	28000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86210F
		Dilution Factor: 1		Analysis Time..: 11:33		
Manganese	123	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210G
		Dilution Factor: 1		Analysis Time..: 11:33		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210H
		Dilution Factor: 1		Analysis Time..: 11:33		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86210J
		Dilution Factor: 1		Analysis Time..: 11:33		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210K
		Dilution Factor: 1		Analysis Time..: 11:33		
Sodium	7220	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86210L
		Dilution Factor: 1		Analysis Time..: 11:33		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210M
		Dilution Factor: 1		Analysis Time..: 11:33		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86210N
		Dilution Factor: 1		Analysis Time..: 11:33		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

DISSOLVED Metals

Lot-Sample #...: H8E160146-010 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86C10Q
		Dilution Factor: 1		Analysis Time..: 11:33		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86C101
		Dilution Factor: 1		Analysis Time..: 13:32		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86C10L
		Dilution Factor: 1		Analysis Time..: 17:19		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86C10M
		Dilution Factor: 1		Analysis Time..: 17:19		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C102
		Dilution Factor: 1		Analysis Time..: 13:32		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86C103
		Dilution Factor: 1		Analysis Time..: 13:32		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86C10N
		Dilution Factor: 1		Analysis Time..: 17:19		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C104
		Dilution Factor: 1		Analysis Time..: 13:32		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86C10P
		Dilution Factor: 1		Analysis Time..: 17:19		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C105
		Dilution Factor: 1		Analysis Time..: 13:32		
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86C106**
		Dilution Factor: 1		Analysis Time..: 13:32		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C107
		Dilution Factor: 1		Analysis Time..: 13:32		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C108
		Dilution Factor: 1		Analysis Time..: 13:32		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C109
		Dilution Factor: 1		Analysis Time..: 13:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

DISSOLVED Metals

Lot-Sample #...: H8E160146-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH86C10A
		Dilution Factor: 1		Analysis Time..: 13:32		
Magnesium	**28100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86C10C**
		Dilution Factor: 1		Analysis Time..: 13:32		
Manganese	**139**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86C10D**
		Dilution Factor: 1		Analysis Time..: 13:32		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C10E
		Dilution Factor: 1		Analysis Time..: 13:32		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86C10F
		Dilution Factor: 1		Analysis Time..: 13:32		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C10G
		Dilution Factor: 1		Analysis Time..: 13:32		
Sodium	**12200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86C10H**
		Dilution Factor: 1		Analysis Time..: 13:32		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86C10J
		Dilution Factor: 1		Analysis Time..: 13:32		
Zinc	**48.8**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86C10K**
		Dilution Factor: 1		Analysis Time..: 13:32		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

TOTAL Metals

Lot-Sample #...: H8E160146-003 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86310U
		Dilution Factor: 1		Analysis Time..: 10:34		
Prep Batch #...: 8147191						
Aluminum	**11500**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH863104**
		Dilution Factor: 1		Analysis Time..: 11:38		
Arsenic	**36.8**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH86310P**
		Dilution Factor: 1		Analysis Time..: 15:18		
Lead	**33.6**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH86310Q**
		Dilution Factor: 1		Analysis Time..: 15:18		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH863105
		Dilution Factor: 1		Analysis Time..: 11:38		
Barium	**372**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH863106**
		Dilution Factor: 1		Analysis Time..: 11:38		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86310R
		Dilution Factor: 1		Analysis Time..: 15:18		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH863107
		Dilution Factor: 1		Analysis Time..: 11:38		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86310T
		Dilution Factor: 1		Analysis Time..: 15:18		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH863108
		Dilution Factor: 1		Analysis Time..: 11:38		
Calcium	**185000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH863109**
		Dilution Factor: 1		Analysis Time..: 11:38		
Chromium	**39.8**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86310A**
		Dilution Factor: 1		Analysis Time..: 11:38		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310C
		Dilution Factor: 1		Analysis Time..: 11:38		
Copper	**30.8**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86310D**
		Dilution Factor: 1		Analysis Time..: 11:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

TOTAL Metals

Lot-Sample #...: H8E160146-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	41000	100	ug/L	SW846 6010A	05/28-06/10/98	CH86310E
		Dilution Factor: 1		Analysis Time..: 11:38		
Magnesium	83500	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86310F
		Dilution Factor: 1		Analysis Time..: 11:38		
Manganese	1460	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310G
		Dilution Factor: 1		Analysis Time..: 11:38		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310H
		Dilution Factor: 1		Analysis Time..: 11:38		
Potassium	5550	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86310J
		Dilution Factor: 1		Analysis Time..: 11:38		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310K
		Dilution Factor: 1		Analysis Time..: 11:38		
Sodium	24700	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86310L
		Dilution Factor: 1		Analysis Time..: 11:38		
Vanadium	54.4	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310M
		Dilution Factor: 1		Analysis Time..: 11:38		
Zinc	92.6	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86310N
		Dilution Factor: 1		Analysis Time..: 11:38		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

DISSOLVED Metals

Lot-Sample #...: H8E160146-011 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86G10Q
		Dilution Factor: 1		Analysis Time..: 11:41		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86G101
		Dilution Factor: 1		Analysis Time..: 13:37		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86G10L
		Dilution Factor: 1		Analysis Time..: 17:25		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86G10M
		Dilution Factor: 1		Analysis Time..: 17:25		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G102
		Dilution Factor: 1		Analysis Time..: 13:37		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86G103
		Dilution Factor: 1		Analysis Time..: 13:37		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86G10N
		Dilution Factor: 1		Analysis Time..: 17:25		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G104
		Dilution Factor: 1		Analysis Time..: 13:37		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86G10P
		Dilution Factor: 1		Analysis Time..: 17:25		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G105
		Dilution Factor: 1		Analysis Time..: 13:37		
Calcium	**188000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86G106**
		Dilution Factor: 1		Analysis Time..: 13:37		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G107
		Dilution Factor: 1		Analysis Time..: 13:37		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G108
		Dilution Factor: 1		Analysis Time..: 13:37		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G109
		Dilution Factor: 1		Analysis Time..: 13:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

DISSOLVED Metals

Lot-Sample #...: H8E160146-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH86G10A
		Dilution Factor: 1		Analysis Time..: 13:37		
Magnesium	**86200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86G10C**
		Dilution Factor: 1		Analysis Time..: 13:37		
Manganese	**621**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86G10D**
		Dilution Factor: 1		Analysis Time..: 13:37		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G10E
		Dilution Factor: 1		Analysis Time..: 13:37		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86G10F
		Dilution Factor: 1		Analysis Time..: 13:37		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G10G
		Dilution Factor: 1		Analysis Time..: 13:37		
Sodium	**26200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86G10H**
		Dilution Factor: 1		Analysis Time..: 13:37		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G10J
		Dilution Factor: 1		Analysis Time..: 13:37		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86G10K
		Dilution Factor: 1		Analysis Time..: 13:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

TOTAL Metals

Lot-Sample #...: H8E160146-004 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86510U
		Dilution Factor: 1		Analysis Time..: 10:41		
Prep Batch #...: 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH865104
		Dilution Factor: 1		Analysis Time..: 11:43		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86510P
		Dilution Factor: 1		Analysis Time..: 15:23		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86510Q
		Dilution Factor: 1		Analysis Time..: 15:23		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH865105
		Dilution Factor: 1		Analysis Time..: 11:43		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH865106
		Dilution Factor: 1		Analysis Time..: 11:43		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86510R
		Dilution Factor: 1		Analysis Time..: 15:23		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH865107
		Dilution Factor: 1		Analysis Time..: 11:43		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86510T
		Dilution Factor: 1		Analysis Time..: 15:23		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH865108
		Dilution Factor: 1		Analysis Time..: 11:43		
Calcium	**98900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH865109**
		Dilution Factor: 1		Analysis Time..: 11:43		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510A
		Dilution Factor: 1		Analysis Time..: 11:43		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510C
		Dilution Factor: 1		Analysis Time..: 11:43		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510D
		Dilution Factor: 1		Analysis Time..: 11:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

TOTAL Metals

Lot-Sample #...: H8E160146-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	396	100	ug/L	SW846 6010A	05/28-06/10/98	CH86510E
		Dilution Factor: 1		Analysis Time..: 11:43		
Magnesium	17000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86510F
		Dilution Factor: 1		Analysis Time..: 11:43		
Manganese	1000	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510G
		Dilution Factor: 1		Analysis Time..: 11:43		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510H
		Dilution Factor: 1		Analysis Time..: 11:43		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86510J
		Dilution Factor: 1		Analysis Time..: 11:43		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510K
		Dilution Factor: 1		Analysis Time..: 11:43		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86510L
		Dilution Factor: 1		Analysis Time..: 11:43		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510M
		Dilution Factor: 1		Analysis Time..: 11:43		
Zinc	25.8	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86510N
		Dilution Factor: 1		Analysis Time..: 11:43		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

DISSOLVED Metals

Lot-Sample #...: H8E160146-012 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86H10Q
		Dilution Factor: 1		Analysis Time..: 11:43		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86H101
		Dilution Factor: 1		Analysis Time..: 13:42		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86H10L
		Dilution Factor: 1		Analysis Time..: 17:30		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86H10M
		Dilution Factor: 1		Analysis Time..: 17:30		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H102
		Dilution Factor: 1		Analysis Time..: 13:42		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86H103
		Dilution Factor: 1		Analysis Time..: 13:42		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86H10N
		Dilution Factor: 1		Analysis Time..: 17:30		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H104
		Dilution Factor: 1		Analysis Time..: 13:42		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86H10P
		Dilution Factor: 1		Analysis Time..: 17:30		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H105
		Dilution Factor: 1		Analysis Time..: 13:42		
Calcium	**113000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86H106**
		Dilution Factor: 1		Analysis Time..: 13:42		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H107
		Dilution Factor: 1		Analysis Time..: 13:42		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H108
		Dilution Factor: 1		Analysis Time..: 13:42		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H109
		Dilution Factor: 1		Analysis Time..: 13:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

DISSOLVED Metals

Lot-Sample #...: H8E160146-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CH86H10A
		Dilution Factor: 1		Analysis Time..: 13:42		
Magnesium	**19400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86H10C**
		Dilution Factor: 1		Analysis Time..: 13:42		
Manganese	**1050**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86H10D**
		Dilution Factor: 1		Analysis Time..: 13:42		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H10E
		Dilution Factor: 1		Analysis Time..: 13:42		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86H10F
		Dilution Factor: 1		Analysis Time..: 13:42		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H10G
		Dilution Factor: 1		Analysis Time..: 13:42		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86H10H
		Dilution Factor: 1		Analysis Time..: 13:42		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86H10J
		Dilution Factor: 1		Analysis Time..: 13:42		
Zinc	**26.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86H10K**
		Dilution Factor: 1		Analysis Time..: 13:42		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

TOTAL Metals

Lot-Sample #...: H8E160146-005 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86610U
		Dilution Factor: 1		Analysis Time..: 10:44		
Prep Batch #...: 8147191						
Aluminum	**4550**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH866104**
		Dilution Factor: 1		Analysis Time..: 11:48		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86610P
		Dilution Factor: 1		Analysis Time..: 15:29		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86610Q
		Dilution Factor: 1		Analysis Time..: 15:29		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH866105
		Dilution Factor: 1		Analysis Time..: 11:48		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH866106
		Dilution Factor: 1		Analysis Time..: 11:48		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86610R
		Dilution Factor: 1		Analysis Time..: 15:29		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH866107
		Dilution Factor: 1		Analysis Time..: 11:48		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86610T
		Dilution Factor: 1		Analysis Time..: 15:29		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH866108
		Dilution Factor: 1		Analysis Time..: 11:48		
Calcium	**102000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH866109**
		Dilution Factor: 1		Analysis Time..: 11:48		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610A
		Dilution Factor: 1		Analysis Time..: 11:48		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610C
		Dilution Factor: 1		Analysis Time..: 11:48		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610D
		Dilution Factor: 1		Analysis Time..: 11:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

TOTAL Metals

Lot-Sample #...: H8E160146-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19100	100	ug/L	SW846 6010A	05/28-06/10/98	CH86610E
		Dilution Factor: 1		Analysis Time..: 11:48		
Magnesium	16600	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86610F
		Dilution Factor: 1		Analysis Time..: 11:48		
Manganese	283	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610G
		Dilution Factor: 1		Analysis Time..: 11:48		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610H
		Dilution Factor: 1		Analysis Time..: 11:48		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86610J
		Dilution Factor: 1		Analysis Time..: 11:48		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610K
		Dilution Factor: 1		Analysis Time..: 11:48		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86610L
		Dilution Factor: 1		Analysis Time..: 11:48		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610M
		Dilution Factor: 1		Analysis Time..: 11:48		
Zinc	29.8	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86610N
		Dilution Factor: 1		Analysis Time..: 11:48		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

DISSOLVED Metals

Lot-Sample #...: H8E160146-013 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86J10Q
		Dilution Factor: 1		Analysis Time..: 11:46		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86J101
		Dilution Factor: 1		Analysis Time..: 13:47		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86J10L
		Dilution Factor: 1		Analysis Time..: 17:36		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86J10M
		Dilution Factor: 1		Analysis Time..: 17:36		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J102
		Dilution Factor: 1		Analysis Time..: 13:47		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86J103
		Dilution Factor: 1		Analysis Time..: 13:47		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86J10N
		Dilution Factor: 1		Analysis Time..: 17:36		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J104
		Dilution Factor: 1		Analysis Time..: 13:47		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86J10P
		Dilution Factor: 1		Analysis Time..: 17:36		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J105
		Dilution Factor: 1		Analysis Time..: 13:47		
Calcium	**146000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J106**
		Dilution Factor: 1		Analysis Time..: 13:47		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J107
		Dilution Factor: 1		Analysis Time..: 13:47		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J108
		Dilution Factor: 1		Analysis Time..: 13:47		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J109
		Dilution Factor: 1		Analysis Time..: 13:47		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

DISSOLVED Metals

Lot-Sample #...: H8E160146-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**22400**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J10A**
		Dilution Factor: 1		Analysis Time..: 13:47		
Magnesium	**22400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J10C**
		Dilution Factor: 1		Analysis Time..: 13:47		
Manganese	**373**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J10D**
		Dilution Factor: 1		Analysis Time..: 13:47		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J10E
		Dilution Factor: 1		Analysis Time..: 13:47		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86J10F
		Dilution Factor: 1		Analysis Time..: 13:47		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J10G
		Dilution Factor: 1		Analysis Time..: 13:47		
Sodium	**5730**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J10H**
		Dilution Factor: 1		Analysis Time..: 13:47		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86J10J
		Dilution Factor: 1		Analysis Time..: 13:47		
Zinc	**46.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86J10K**
		Dilution Factor: 1		Analysis Time..: 13:47		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

TOTAL Metals

Lot-Sample #...: H8E160146-006 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86710U
		Dilution Factor: 1		Analysis Time..: 10:46		
Prep Batch #...: 8147191						
Aluminum	6220	200	ug/L	SW846 6010A	05/28-06/10/98	CH867104
		Dilution Factor: 1		Analysis Time..: 11:53		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86710P
		Dilution Factor: 1		Analysis Time..: 15:34		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86710Q
		Dilution Factor: 1		Analysis Time..: 15:34		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH867105
		Dilution Factor: 1		Analysis Time..: 11:53		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH867106
		Dilution Factor: 1		Analysis Time..: 11:53		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86710R
		Dilution Factor: 1		Analysis Time..: 15:34		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH867107
		Dilution Factor: 1		Analysis Time..: 11:53		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86710T
		Dilution Factor: 1		Analysis Time..: 15:34		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH867108
		Dilution Factor: 1		Analysis Time..: 11:53		
Calcium	104000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH867109
		Dilution Factor: 1		Analysis Time..: 11:53		
Chromium	12.0	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710A
		Dilution Factor: 1		Analysis Time..: 11:53		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710C
		Dilution Factor: 1		Analysis Time..: 11:53		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710D
		Dilution Factor: 1		Analysis Time..: 11:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

TOTAL Metals

Lot-Sample #...: H8E160146-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19700	100	ug/L	SW846 6010A	05/28-06/10/98	CH86710E
		Dilution Factor: 1		Analysis Time..: 11:53		
Magnesium	16800	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86710F
		Dilution Factor: 1		Analysis Time..: 11:53		
Manganese	282	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710G
		Dilution Factor: 1		Analysis Time..: 11:53		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710H
		Dilution Factor: 1		Analysis Time..: 11:53		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86710J
		Dilution Factor: 1		Analysis Time..: 11:53		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710K
		Dilution Factor: 1		Analysis Time..: 11:53		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86710L
		Dilution Factor: 1		Analysis Time..: 11:53		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710M
		Dilution Factor: 1		Analysis Time..: 11:53		
Zinc	35.5	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86710N
		Dilution Factor: 1		Analysis Time..: 11:53		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

DISSOLVED Metals

Lot-Sample #...: H8E160146-014 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86K10Q
		Dilution Factor: 1		Analysis Time..: 11:48		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86K101
		Dilution Factor: 1		Analysis Time..: 13:52		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86K10L
		Dilution Factor: 1		Analysis Time..: 17:41		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86K10M
		Dilution Factor: 1		Analysis Time..: 17:41		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K102
		Dilution Factor: 1		Analysis Time..: 13:52		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86K103
		Dilution Factor: 1		Analysis Time..: 13:52		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86K10N
		Dilution Factor: 1		Analysis Time..: 17:41		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K104
		Dilution Factor: 1		Analysis Time..: 13:52		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86K10P
		Dilution Factor: 1		Analysis Time..: 17:41		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K105
		Dilution Factor: 1		Analysis Time..: 13:52		
Calcium	**123000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86K106**
		Dilution Factor: 1		Analysis Time..: 13:52		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K107
		Dilution Factor: 1		Analysis Time..: 13:52		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K108
		Dilution Factor: 1		Analysis Time..: 13:52		
Copper	**40.3**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86K109**
		Dilution Factor: 1		Analysis Time..: 13:52		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5766

DISSOLVED Metals

Lot-Sample #...: H8E160146-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19200	100	ug/L	SW846 6010A	05/28-06/10/98	CH86K10A
		Dilution Factor: 1		Analysis Time..: 13:52		
Magnesium	19000	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86K10C
		Dilution Factor: 1		Analysis Time..: 13:52		
Manganese	322	15.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K10D
		Dilution Factor: 1		Analysis Time..: 13:52		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K10E
		Dilution Factor: 1		Analysis Time..: 13:52		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86K10F
		Dilution Factor: 1		Analysis Time..: 13:52		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K10G
		Dilution Factor: 1		Analysis Time..: 13:52		
Sodium	5200	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86K10H
		Dilution Factor: 1		Analysis Time..: 13:52		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K10J
		Dilution Factor: 1		Analysis Time..: 13:52		
Zinc	24.0	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86K10K
		Dilution Factor: 1		Analysis Time..: 13:52		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

TOTAL Metals

Lot-Sample #...: H8E160146-007 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86810U
		Dilution Factor: 1		Analysis Time..: 10:49		
Prep Batch #...: 8147191						
Aluminum	**4380**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH868104**
		Dilution Factor: 1		Analysis Time..: 12:08		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86810P
		Dilution Factor: 1		Analysis Time..: 15:51		
Lead	**7.2**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH86810Q**
		Dilution Factor: 1		Analysis Time..: 15:51		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH868105
		Dilution Factor: 1		Analysis Time..: 12:08		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH868106
		Dilution Factor: 1		Analysis Time..: 12:08		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86810R
		Dilution Factor: 1		Analysis Time..: 15:51		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH868107
		Dilution Factor: 1		Analysis Time..: 12:08		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86810T
		Dilution Factor: 1		Analysis Time..: 15:51		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH868108
		Dilution Factor: 1		Analysis Time..: 12:08		
Calcium	**15500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH868109**
		Dilution Factor: 1		Analysis Time..: 12:08		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86810A
		Dilution Factor: 1		Analysis Time..: 12:08		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86810C
		Dilution Factor: 1		Analysis Time..: 12:08		
Copper	**27.2**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86810D**
		Dilution Factor: 1		Analysis Time..: 12:08		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

TOTAL Metals

Lot-Sample #...: H8E160146-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**10300**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86810E**
		Dilution Factor: 1		Analysis Time..: 12:08		
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86810F
		Dilution Factor: 1		Analysis Time..: 12:08		
Manganese	**101**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86810G**
		Dilution Factor: 1		Analysis Time..: 12:08		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86810H
		Dilution Factor: 1		Analysis Time..: 12:08		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86810J
		Dilution Factor: 1		Analysis Time..: 12:08		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86810K
		Dilution Factor: 1		Analysis Time..: 12:08		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86810L
		Dilution Factor: 1		Analysis Time..: 12:08		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86810M
		Dilution Factor: 1		Analysis Time..: 12:08		
Zinc	**56.8**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86810N**
		Dilution Factor: 1		Analysis Time..: 12:08		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

DISSOLVED Metals

Lot-Sample #...: H8E160146-015 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CH86L10Q
		Dilution Factor: 1		Analysis Time..: 11:51		
Prep Batch #...: 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86L101
		Dilution Factor: 1		Analysis Time..: 14:07		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86L10L
		Dilution Factor: 1		Analysis Time..: 17:47		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CH86L10M
		Dilution Factor: 1		Analysis Time..: 17:47		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L102
		Dilution Factor: 1		Analysis Time..: 14:07		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CH86L103
		Dilution Factor: 1		Analysis Time..: 14:07		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH86L10N
		Dilution Factor: 1		Analysis Time..: 17:47		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L104
		Dilution Factor: 1		Analysis Time..: 14:07		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH86L10P
		Dilution Factor: 1		Analysis Time..: 17:47		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L105
		Dilution Factor: 1		Analysis Time..: 14:07		
Calcium	**15700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86L106**
		Dilution Factor: 1		Analysis Time..: 14:07		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L107
		Dilution Factor: 1		Analysis Time..: 14:07		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L108
		Dilution Factor: 1		Analysis Time..: 14:07		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L109
		Dilution Factor: 1		Analysis Time..: 14:07		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

DISSOLVED Metals

Lot-Sample #...: H8E160146-015 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**226**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86L10A**
		Dilution Factor: 1		Analysis Time..: 14:07		
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86L10C
		Dilution Factor: 1		Analysis Time..: 14:07		
Manganese	**30.7**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/10/98**	**CH86L10D**
		Dilution Factor: 1		Analysis Time..: 14:07		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L10E
		Dilution Factor: 1		Analysis Time..: 14:07		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86L10F
		Dilution Factor: 1		Analysis Time..: 14:07		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L10G
		Dilution Factor: 1		Analysis Time..: 14:07		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CH86L10H
		Dilution Factor: 1		Analysis Time..: 14:07		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L10J
		Dilution Factor: 1		Analysis Time..: 14:07		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CH86L10K
		Dilution Factor: 1		Analysis Time..: 14:07		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E270000-112 **Prep Batch #...:** 8147112						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CHFMR101
		Dilution Factor: 1				
		Analysis Time..: 10:24				
MB Lot-Sample #: H8E270000-191 **Prep Batch #...:** 8147191						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CHG0810J
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0810E
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0810K
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0810F
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CHG0810L
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0810G
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0810M
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0810H
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0810N
		Dilution Factor: 1				
		Analysis Time..: 11:09				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB023 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0810P
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08101
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08102
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08103
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CHG08104
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG08105
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08106
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08107
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG08108
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CHG08109
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0810A
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0810C
		Dilution Factor: 1				
		Analysis Time..: 11:09				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0810D

Dilution Factor: 1
Analysis Time..: 11:09

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E270000-114 **Prep Batch #...:** 8147114						
Mercury	ND	0.20	ug/L	SW846 7470A	05/27-05/28/98	CHFMX101
		Dilution Factor: 1				
		Analysis Time..: 11:25				
MB Lot-Sample #: H8E270000-200 **Prep Batch #...:** 8147200						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10F
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0Q10A
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10G
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0Q10C
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Barium	ND	200	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10H
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0Q10D
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10J
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHG0Q10E
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10K
		Dilution Factor: 1				
		Analysis Time..: 11:19				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10L
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10M
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10N
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q10P
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Iron	ND	100	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q101
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q102
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q103
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q104
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q105
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q106
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q107
		Dilution Factor: 1				
		Analysis Time..: 11:19				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q108
		Dilution Factor: 1				
		Analysis Time..: 11:19				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/10/98	CHG0Q109

Dilution Factor: 1

Analysis Time..: 11:19

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E140209-005 **Prep Batch #...:** 8147112							
Mercury	112	(70 - 129)			SW846 7470A	05/27-05/28/98	CH6CX12J
	109	(70 - 129)	2.7	(0-20)	SW846 7470A	05/27-05/28/98	CH6CX12K
		Dilution Factor: 1					
		Analysis Time..: 11:16					
MS Lot-Sample #: H8E140209-005 **Prep Batch #...:** 8147191							
Aluminum	93	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10C
	94	(80 - 120)	0.60	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10D
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Arsenic	92	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6CX125
	93	(80 - 120)	1.1	(0-20)	SW846 6010A	05/28-06/12/98	CH6CX126
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Antimony	91	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10F
	95	(80 - 120)	4.7	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10G
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Lead	90	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6CX128
	91	(80 - 120)	0.94	(0-20)	SW846 6010A	05/28-06/12/98	CH6CX129
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Barium	85	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10J
	86	(80 - 120)	0.11	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10K
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Selenium	93	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6CX12C
	95	(80 - 120)	2.0	(0-20)	SW846 6010A	05/28-06/12/98	CH6CX12D
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Beryllium	92	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10M
	92	(80 - 120)	0.0	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10N
		Dilution Factor: 1					
		Analysis Time..: 13:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	84	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6CX12F
	86	(80 - 120)	1.6	(0-20)	SW846 6010A	05/28-06/12/98	CH6CX12G
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Cadmium	91	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10Q
	86	(80 - 120)	6.5	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10R
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Calcium	NC,MSB	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10U
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/28-06/10/98	CH6CX10V
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Chromium	91	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX10X
	93	(80 - 120)	1.6	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX110
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Cobalt	88	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX112
	89	(80 - 120)	0.87	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX113
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Copper	87	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX115
	84	(80 - 120)	3.9	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX116
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Iron	81	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX118
	83	(80 - 120)	1.3	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX119
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Magnesium	113	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11C
	129 N	(80 - 120)	4.6	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11D
		Dilution Factor: 1					
		Analysis Time..: 13:07					
Manganese	90	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11F
	93	(80 - 120)	1.9	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11G
		Dilution Factor: 1					
		Analysis Time..: 13:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	89	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11J
	90	(80 - 120)	0.53	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11K
		Dilution Factor: 1					
		Analysis Time...: 13:07					
Potassium	95	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11M
	96	(80 - 120)	1.2	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11N
		Dilution Factor: 1					
		Analysis Time...: 13:07					
Silver	76 N	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11Q
	78 N	(80 - 120)	2.5	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11R
		Dilution Factor: 1					
		Analysis Time...: 13:07					
Sodium	93	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11U
	95	(80 - 120)	1.4	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX11V
		Dilution Factor: 1					
		Analysis Time...: 13:07					
Vanadium	89	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX11X
	89	(80 - 120)	0.13	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX120
		Dilution Factor: 1					
		Analysis Time...: 13:07					
Zinc	91	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6CX122
	91	(80 - 120)	0.05	(0-20)	SW846 6010A	05/28-06/10/98	CH6CX123
		Dilution Factor: 1					
		Analysis Time...: 13:07					

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 #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E140209-013 **Prep Batch #...:** 8147114							
Mercury	100	(70 - 129)			SW846 7470A	05/27-05/28/98	CH6DD128
	105	(70 - 129)	4.9	(0-20)	SW846 7470A	05/27-05/28/98	CH6DD129
		Dilution Factor: 1					
		Analysis Time..: 12:25					
MS Lot-Sample #: H8E140209-013 **Prep Batch #...:** 8147200							
Aluminum	105	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD102
	104	(80 - 120)	0.75	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD103
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Arsenic	100	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6DD11U
	100	(80 - 120)	0.20	(0-20)	SW846 6010A	05/28-06/12/98	CH6DD11V
		Dilution Factor: 1					
		Analysis Time..: 18:48					
Antimony	100	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD105
	102	(80 - 120)	2.3	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD106
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Lead	97	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6DD11X
	99	(80 - 120)	2.0	(0-20)	SW846 6010A	05/28-06/12/98	CH6DD120
		Dilution Factor: 1					
		Analysis Time..: 18:48					
Barium	88	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD108
	93	(80 - 120)	5.7	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD109
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Selenium	101	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6DD122
	101	(80 - 120)	0.56	(0-20)	SW846 6010A	05/28-06/12/98	CH6DD123
		Dilution Factor: 1					
		Analysis Time..: 18:48					
Beryllium	100	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10C
	99	(80 - 120)	1.3	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10D
		Dilution Factor: 1					
		Analysis Time..: 15:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	91	(80 - 120)			SW846 6010A	05/28-06/12/98	CH6DD125
	91	(80 - 120)	0.11	(0-20)	SW846 6010A	05/28-06/12/98	CH6DD126
		Dilution Factor: 1					
		Analysis Time..: 18:48					
Cadmium	101	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10F
	101	(80 - 120)	0.45	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10G
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Calcium	NC,MSB	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10J
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10K
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Chromium	104	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10M
	103	(80 - 120)	1.6	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10N
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Cobalt	99	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10Q
	97	(80 - 120)	1.2	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10R
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Copper	96	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10U
	97	(80 - 120)	1.2	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD10V
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Iron	90	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD10X
	91	(80 - 120)	0.39	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD110
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Magnesium	91	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD112
	112	(80 - 120)	5.5	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD113
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Manganese	95	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD115
	97	(80 - 120)	1.5	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD116
		Dilution Factor: 1					
		Analysis Time..: 15:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/13/98 **Date Received..:** 05/14/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	101	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD118
	100	(80 - 120)	1.7	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD119
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Potassium	105	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD11C
	105	(80 - 120)	0.14	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD11D
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Silver	85	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD11F
	87	(80 - 120)	3.0	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD11G
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Sodium	102	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD11J
	103	(80 - 120)	1.2	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD11K
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Vanadium	99	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD11M
	98	(80 - 120)	1.1	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD11N
		Dilution Factor: 1					
		Analysis Time..: 15:07					
Zinc	109	(80 - 120)			SW846 6010A	05/28-06/10/98	CH6DD11Q
	103	(80 - 120)	5.1	(0-20)	SW846 6010A	05/28-06/10/98	CH6DD11R
		Dilution Factor: 1					
		Analysis Time..: 15:07					

NOTE(S):

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

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.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E270000-112 **Prep Batch #...:** 8147112					
Mercury	93	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 10:26	05/27-05/28/98	CHFMR102
LCS Lot-Sample#: H8E270000-191 **Prep Batch #...:** 8147191					
Chromium	96	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810Q
Cobalt	95	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810R
Copper	88	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810T
Iron	90	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810U
Magnesium	96	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810V
Manganese	92	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810W
Nickel	98	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0810X
Antimony	92	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0811A
Barium	89	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/10/98	CHG0811C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	99	(80 - 120)	SW846 6010A	05/28-06/10/98	CHG0811D
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Cadmium	94	(81 - 118)	SW846 6010A	05/28-06/10/98	CHG0811E
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Calcium	98	(82 - 120)	SW846 6010A	05/28-06/10/98	CHG0811F
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Potassium	94	(81 - 115)	SW846 6010A	05/28-06/10/98	CHG08110
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Silver	89	(80 - 120)	SW846 6010A	05/28-06/10/98	CHG08111
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Sodium	93	(82 - 114)	SW846 6010A	05/28-06/10/98	CHG08112
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Vanadium	96	(88 - 117)	SW846 6010A	05/28-06/10/98	CHG08113
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Zinc	109	(85 - 120)	SW846 6010A	05/28-06/10/98	CHG08114
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Arsenic	92	(82 - 110)	SW846 6010A	05/28-06/12/98	CHG08115
		Dilution Factor: 1			
		Analysis Time..: 19:28			
Lead	95	(81 - 111)	SW846 6010A	05/28-06/12/98	CHG08116
		Dilution Factor: 1			
		Analysis Time..: 19:28			
Selenium	94	(81 - 113)	SW846 6010A	05/28-06/12/98	CHG08117
		Dilution Factor: 1			
		Analysis Time..: 19:28			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	87	(80 - 110)	SW846 6010A	05/28-06/12/98	CHG08118
		Dilution Factor: 1			
		Analysis Time..: 19:28			
Aluminum	96	(83 - 117)	SW846 6010A	05/28-06/10/98	CHG08119
		Dilution Factor: 1			
		Analysis Time..: 16:04			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E270000-114 **Prep Batch #...:** 8147114					
Mercury	93	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 11:28	05/27-05/28/98	CHFMX102
LCS Lot-Sample#: H8E270000-200 **Prep Batch #...:** 8147200					
Iron	96	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10Q
Magnesium	106	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10R
Manganese	101	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10T
Nickel	104	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10U
Potassium	105	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10V
Silver	90	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10W
Sodium	106	(82 - 114)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q10X
Cadmium	98	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q11A
Calcium	105	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 11:23	05/28-06/10/98	CHG0Q11C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	105	(80 - 120)	SW846 6010A	05/28-06/10/98	CHG0Q11D
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Cobalt	102	(83 - 115)	SW846 6010A	05/28-06/10/98	CHG0Q11E
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Copper	97	(82 - 116)	SW846 6010A	05/28-06/10/98	CHG0Q11F
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Vanadium	103	(88 - 117)	SW846 6010A	05/28-06/10/98	CHG0Q110
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Zinc	117	(85 - 120)	SW846 6010A	05/28-06/10/98	CHG0Q111
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Arsenic	100	(82 - 110)	SW846 6010A	05/28-06/12/98	CHG0Q112
		Dilution Factor: 1			
		Analysis Time..: 15:01			
Lead	99	(81 - 111)	SW846 6010A	05/28-06/12/98	CHG0Q113
		Dilution Factor: 1			
		Analysis Time..: 15:01			
Selenium	102	(81 - 113)	SW846 6010A	05/28-06/12/98	CHG0Q114
		Dilution Factor: 1			
		Analysis Time..: 15:01			
Thallium	94	(80 - 110)	SW846 6010A	05/28-06/12/98	CHG0Q115
		Dilution Factor: 1			
		Analysis Time..: 15:01			
Aluminum	104	(83 - 117)	SW846 6010A	05/28-06/10/98	CHG0Q116
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Antimony	100	(87 - 120)	SW846 6010A	05/28-06/10/98	CHG0Q117
		Dilution Factor: 1			
		Analysis Time..: 11:23			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

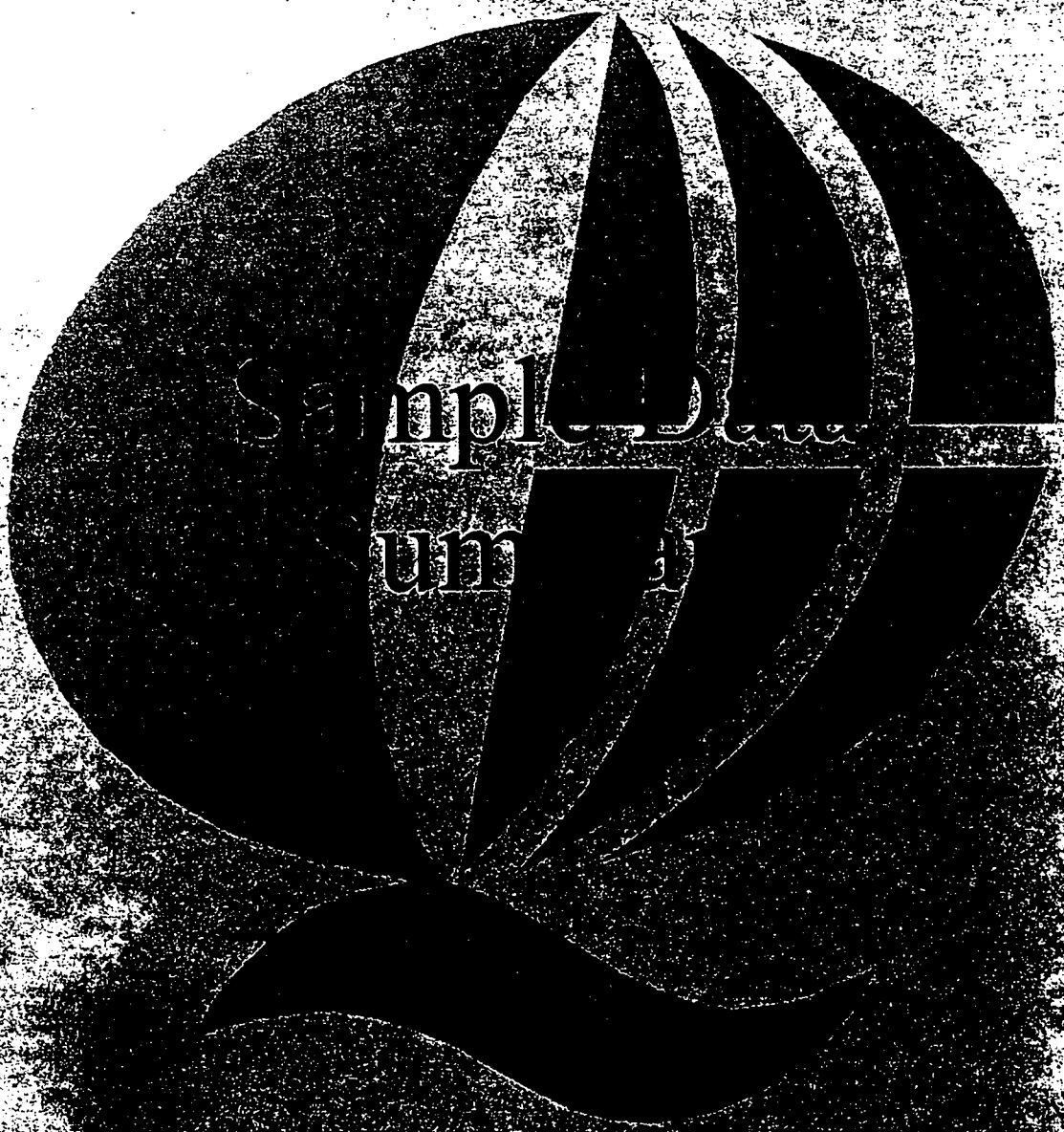
DISSOLVED Metals

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	100	(82 - 112)	SW846 6010A	05/28-06/10/98	CHG0Q118
		Dilution Factor: 1			
		Analysis Time..: 11:23			
Beryllium	109	(80 - 120)	SW846 6010A	05/28-06/10/98	CHG0Q119
		Dilution Factor: 1			
		Analysis Time..: 11:23			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 5455

General Chemistry

Lot-Sample #...: H8E130174-001 Work Order #...: CH57T Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	900	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	3000	100	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 100				
Hardness, as CaCO3	2000	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	10	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 100				
Sulfate	40	10	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 2				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	730	10	mg/L	MCAWW 160.1	05/14-05/15/98	8137120
		Dilution Factor: 1				
Total Organic Carbon	11	5	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 5				
Total Suspended Solids	330	4.0	mg/L	MCAWW 160.2	05/14-05/15/98	8137121
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 9.9 - 10.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5465

General Chemistry

Lot-Sample #...: H8E130174-002 Work Order #...: CH584 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	600	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	53	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	860	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	10	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 100				
Sulfate	70	25	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 5				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1	05/14-05/15/98	8137120
		Dilution Factor: 1				
Total Organic Carbon	6	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/14-05/15/98	8137121
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 5.2 - 6.2

IT CORPORATION - KNOXVILLE

Client Sample ID: 5735

General Chemistry

Lot-Sample #...: H8E130174-003 Work Order #...: CH585 Matrix.....: WATER
Date Sampled...: 05/12/98 Date Received..: 05/13/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	4	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	290	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	3.2	0.2	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 2				
Sulfate	21	5	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	2700	40	mg/L	MCAWW 160.1	05/14-05/15/98	8137120
		Dilution Factor: 4				
Total Organic Carbon	1	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	74	4.0	mg/L	MCAWW 160.2	05/14-05/15/98	8137121
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 0.9 - 1.2

IT CORPORATION - KNOXVILLE

Client Sample ID: 5485

General Chemistry

Lot-Sample #...: H8E140209-001 Work Order #...: CH6CR Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	3	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	530	20	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 10				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1				
Sulfate	190	50	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 10				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	600	10	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1				
Total Organic Carbon	3	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 2.8 - 2.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5495

General Chemistry

Lot-Sample #...: H8E140209-002 Work Order #...: CH6CT Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	410	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	9	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	2800	20	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 10				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1				
Sulfate	1800	500	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 100				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	3800	20	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 2				
Total Organic Carbon	6	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	260	4.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 5.2 - 6.1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5525

General Chemistry

Lot-Sample #...: H8E140209-004 Work Order #...: CH6CW Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	5	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	1500	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	05/15/98	8147235
		Dilution Factor: 1				
Sulfate	660	100	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 20				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	2800	20	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 2				
Total Organic Carbon	15	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	2200	40	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 10				

NOTE(S):

RL Reporting Limit

TOC range: 13.7 - 15.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5585

General Chemistry

Lot-Sample #...: H8E140209-005 Work Order #...: CH6CX Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	18	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	1300	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1				
Sulfate	920	500	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 100				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	1900	10	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1				
Total Organic Carbon	6	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 5.4 - 6.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5725

General Chemistry

Lot-Sample #...: H8E140209-006 Work Order #...: CH6D0 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	2	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	320	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1				
Sulfate	31	5	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	370	10	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1				
Total Organic Carbon	1	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 1.3 - 1.6

IT CORPORATION - KNOXVILLE

Client Sample ID: 5745

General Chemistry

Lot-Sample #...: H8E140209-007 Work Order #...: CH6D1 Matrix.....: WATER
Date Sampled...: 05/13/98 Date Received..: 05/14/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	18	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	580	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	4.7	0.4	mg/L	MCAWW 353.2	05/15/98	8147235
		Dilution Factor: 4				
Sulfate	53	10	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 2				
Total Cyanide	0.038	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Dissolved Solids	430	10	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1				
Total Organic Carbon	2	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	58	8.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

TOC range: 1.7 - 2.0

IT CORPORATION - KNOXVILLE

Client Sample ID: 5475

General Chemistry

Lot-Sample #...: H8E160146-001 Work Order #...: CH85X Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	790	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	860	10	mg/L	MCAWW 325.2	05/19-05/20/98	8142131
		Dilution Factor: 10				
Hardness, as CaCO3	860	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	10	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 100				
Sulfate	8	5	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	1800	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
		Dilution Factor: 1				
Total Organic Carbon	2	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	54	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 1.7 - 2.4

IT CORPORATION - KNOXVILLE

Client Sample ID: 5515

General Chemistry

Lot-Sample #...: H8E160146-002 Work Order #...: CH862 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	4	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	530	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Sulfate	37	5	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Organic Carbon	2	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	150	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 2.1 - 2.2

IT CORPORATION - KNOXVILLE

Client Sample ID: 5605

General Chemistry

Lot-Sample #...: H8E160146-003 Work Order #...: CH863 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	480	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	13	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	820	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Sulfate	270	50	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 10				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Organic Carbon	3	2	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 2				
Total Suspended Solids	400	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 2.5 - 2.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5755

General Chemistry

Lot-Sample #...: H8E160146-004 Work Order #...: CH865 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

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	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	1	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	450	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Sulfate	51	10	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 2				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	400	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Organic Carbon	2	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 1.9 - 2.2

IT CORPORATION - KNOXVILLE

Client Sample ID: 5765

General Chemistry

Lot-Sample #...: H8E160146-005 Work Order #...: CH866 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	100	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	5	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	370	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Sulfate	320	50	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 10				
Total Cyanide	0.011	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	560	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Organic Carbon	7	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	43	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 7.2 - 7.4

IT CORPORATION - KNOXVILLE

Client Sample ID: 5775

General Chemistry

Lot-Sample #...: H8E160146-007 Work Order #...: CH868 Matrix.....: WATER
Date Sampled...: 05/14/98 Date Received..: 05/15/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	50	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated	1	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3	380	10	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 5				
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Sulfate	10	5	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Dissolved Solids	92	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Organic Carbon	1	1	mg/L	SW846 9060	05/28-05/29/98	8150128
		Dilution Factor: 1				
Total Suspended Solids	140	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

TOC range: 1.4 - 1.6

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CHLKE101		MB Lot-Sample #:	B8F010000-340	
	ND	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHD8V101		MB Lot-Sample #:	B8E220000-131	
	ND	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142131
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHD94101		MB Lot-Sample #:	B8E220000-138	
	ND	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHPPC101		MB Lot-Sample #:	B8F040000-261	
	ND	2	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 1				
Nitrate		Work Order #: CHG41101		MB Lot-Sample #:	B8E270000-225	
	ND	0.1	mg/L	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1				
Nitrate		Work Order #: CHG59101		MB Lot-Sample #:	B8E270000-230	
	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1				
Nitrate		Work Order #: CHG5V101		MB Lot-Sample #:	B8E270000-235	
	ND	0.1	mg/L	MCAWW 353.2	05/15/98	8147235
		Dilution Factor: 1				
Sulfate		Work Order #: CHDJC101		MB Lot-Sample #:	B8E220000-210	
	ND	5	mg/L	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1				
Sulfate		Work Order #: CHFHD101		MB Lot-Sample #:	B8E260000-251	
	ND	5	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHFKE101		MB Lot-Sample #:	B8E260000-272	
	ND	0.010	mg/L	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHH0C101		MB Lot-Sample #:	B8E280000-209	
	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: CH89A101		MB Lot-Sample #:	B8E170000-120	
	ND	10	mg/L	MCAWW 160.1	05/14-05/15/98	8137120
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHDCF101		MB Lot-Sample #:	B8E220000-163	
	ND	10	mg/L	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHCXL101		MB Lot-Sample #:	B8E210000-284	
	ND	10	mg/L	MCAWW 160.1	05/20-05/21/98	8141284
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHDNF101		MB Lot-Sample #:	B8E220000-229	
	ND	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CHKFW101		MB Lot-Sample #:	B8E300000-128	
	ND	1	mg/L	SW846 9060	05/28/98	8150128
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CH89C101		MB Lot-Sample #:	B8E170000-121	
	ND	4.0	mg/L	MCAWW 160.2	05/14-05/15/98	8137121
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHDCG101		MB Lot-Sample #:	B8E220000-164	
	ND	4.0	mg/L	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHCVR101		MB Lot-Sample #:	B8E210000-269	
	ND	4.0	mg/L	MCAWW 160.2	05/20-05/21/98	8141269
		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 #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		WO#:	CH6CX12W-MS/CH6CX12X-MSD			MS Lot-Sample #:	H8E140209-005
	100	(90 - 110)			MCAWW 310.1	05/22/98	8152340
	98	(90 - 110)	0.34	(0-20)	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1					
Chloride - Automated		WO#:	CH6CX137-MS/CH6CX138-MSD			MS Lot-Sample #:	H8E140209-005
	81 N,MSC	(90 - 114)			MCAWW 325.2	05/19-05/20/98	8142138
	83 N,MSC	(90 - 114)	0.91	(0-12)	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CH6CX12Q-MS/CH6CX12R-MSD			MS Lot-Sample #:	H8E140209-005
	98	(90 - 110)			MCAWW 130.2	06/04/98	8155261
	100	(90 - 110)	0.54	(0-20)	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 1					
Nitrate		WO#:	CH585118-MS/CH585119-MSD			MS Lot-Sample #:	H8E130174-003
	0.0 MSB	(90 - 110)			MCAWW 353.2	05/14/98	8147225
	0.0 MSB	(90 - 110)	0.0	(0-10)	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1					
Nitrate		WO#:	CH6CX13A-MS/CH6CX13C-MSD			MS Lot-Sample #:	H8E140209-005
	110	(90 - 110)			MCAWW 353.2	05/14/98	8147225
	111 N	(90 - 110)	0.45	(0-10)	MCAWW 353.2	05/14/98	8147225
		Dilution Factor: 1					
Nitrate		WO#:	CH865117-MS/CH865118-MSD			MS Lot-Sample #:	H8E160146-004
	100	(90 - 110)			MCAWW 353.2	05/15/98	8147230
	100	(90 - 110)	0.75	(0-10)	MCAWW 353.2	05/15/98	8147230
		Dilution Factor: 1					
Sulfate		WO#:	CGXKP10X-MS/CGXKP110-MSD			MS Lot-Sample #:	H8E060126-001
	121 N,MSC	(80 - 120)			MCAWW 375.4	05/21/98	8142210
	129 N,MSC	(80 - 120)	5.5	(0-20)	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1					
Sulfate		WO#:	CH6CX131-MS/CH6CX132-MSD			MS Lot-Sample #:	H8E140209-005
	0.0 MSB	(80 - 120)			MCAWW 375.4	05/23/98	8146251
	0.0 MSB	(80 - 120)	0.0	(0-20)	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1					
Total Cyanide		WO#:	CH6CX13E-MS/CH6CX13F-MSD			MS Lot-Sample #:	H8E140209-005
	98	(56 - 128)			SW846 9010A	05/23/98	8146272
	78 *	(56 - 128)	23	(0-18)	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB023 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:	CH7VF10U-MS/CH7VF10V-MSD			MS Lot-Sample #:	B8E160108-005
	74	(56 - 128)			SW846 9010A	05/26/98	8148209
	80	(56 - 128)	7.0	(0-18)	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CH6CX134-MS/CH6CX135-MSD			MS Lot-Sample #:	H8E140209-005
	82 N,MSC	(90 - 112)			SW846 9060	05/28-05/29/98	8150128
	81 N,MSC	(90 - 112)	0.59	(0-20)	SW846 9060	05/28-05/29/98	8150128
		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.

* Relative percent difference (RPD) 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 #...: H8E130174 **Work Order #...:** CH4KR-SMP CH4KR-DUP **Matrix.....:** WATER

Date Sampled...: 05/10/98 **Date Received..:** 05/12/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: B8E130102-003		
	ND	5.0	mg/L	86	(0-20)	MCAWW 160.2	05/14-05/15/98	8137121

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E130174 **Work Order #...:** CH5RW-SMP CH5RW-DUP **Matrix.....:** WATER

Date Sampled...: 05/14/98 **Date Received..:** 05/14/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	B8E140136-003	
	580	600	mg/L	3.6	(0-20)	MCAWW 160.1	05/15-05/18/98	8142163

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E130174 **Work Order #...:** CH57T-SMP CH57T-DUP **Matrix.....:** WATER

Date Sampled...: 05/12/98 **Date Received..:** 05/13/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	H8E130174-001	
	730	730	mg/L	0.41	(0-20)	MCAWW 160.1	05/14-05/15/98	8137120

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E130174 **Work Order #...:** CH87D-SMP CH87D-DUP **Matrix.....:** WATER

Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	H8E160154-007	
	8.0	10	mg/L	22	(0-20)	MCAWW 160.2	05/20-05/21/98	8141269

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E130174 **Work Order #...:** CH92W-SMP CH92W-DUP **Matrix.....:** WATER

Date Sampled...: 05/16/98 **Date Received..:** 05/18/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: H8E180160-004		
	590	610	mg/L	3.3	(0-20)	MCAWW 160.1	05/21-05/22/98	8142229

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH	WO#:CHLKE102-LCS/CHLKE103-LCSD LCS Lot-Sample#: B8F010000-340						
	109	(90 - 110)			MCAWW 310.1	05/22/98	8152340
	109	(90 - 110)	0.0	(0-20)	MCAWW 310.1	05/22/98	8152340
	Dilution Factor: 1						
Chloride - Automated	WO#:CHD8V102-LCS/CHD8V103-LCSD LCS Lot-Sample#: B8E220000-131						
	98	(90 - 115)			MCAWW 325.2	05/19-05/20/98	8142131
	98	(90 - 115)	0.61	(0-20)	MCAWW 325.2	05/19-05/20/98	8142131
	Dilution Factor: 1						
Chloride - Automated	WO#:CHD94102-LCS/CHD94103-LCSD LCS Lot-Sample#: B8E220000-138						
	97	(90 - 115)			MCAWW 325.2	05/19-05/20/98	8142138
	97	(90 - 115)	0.50	(0-20)	MCAWW 325.2	05/19-05/20/98	8142138
	Dilution Factor: 1						
Hardness, as CaCO3	WO#:CHPPC102-LCS/CHPPC103-LCSD LCS Lot-Sample#: B8F040000-261						
	100	(90 - 110)			MCAWW 130.2	06/04/98	8155261
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/04/98	8155261
	Dilution Factor: 1						
Nitrate	WO#:CHG41102-LCS/CHG41103-LCSD LCS Lot-Sample#: B8E270000-225						
	98	(90 - 110)			MCAWW 353.2	05/14/98	8147225
	95	(90 - 110)	2.6	(0-20)	MCAWW 353.2	05/14/98	8147225
	Dilution Factor: 1						
Nitrate	WO#:CHG5V102-LCS/CHG5V103-LCSD LCS Lot-Sample#: B8E270000-235						
	99	(90 - 110)			MCAWW 353.2	05/15/98	8147235
	98	(90 - 110)	1.5	(0-20)	MCAWW 353.2	05/15/98	8147235
	Dilution Factor: 1						
Nitrate	WO#:CHG59102-LCS/CHG59103-LCSD LCS Lot-Sample#: B8E270000-230						
	99	(90 - 110)			MCAWW 353.2	05/15/98	8147230
	97	(90 - 110)	2.0	(0-20)	MCAWW 353.2	05/15/98	8147230
	Dilution Factor: 1						
Total Dissolved Solids	WO#:CHCXL102-LCS/CHCXL103-LCSD LCS Lot-Sample#: B8E210000-284						
	99	(84 - 114)			MCAWW 160.1	05/20-05/21/98	8141284
	99	(84 - 114)	0.10	(0-20)	MCAWW 160.1	05/20-05/21/98	8141284
	Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:CHDCF102-LCS/CHDCF103-LCSD LCS Lot-Sample#: B8E220000-163					
	100	(84 - 114)			MCAWW 160.1	05/15-05/18/98	8142163
	98	(84 - 114)	1.4	(0-20)	MCAWW 160.1	05/15-05/18/98	8142163
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHDNF102-LCS/CHDNF103-LCSD LCS Lot-Sample#: B8E220000-229					
	97	(84 - 114)			MCAWW 160.1	05/21-05/22/98	8142229
	99	(84 - 114)	1.4	(0-20)	MCAWW 160.1	05/21-05/22/98	8142229
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CH89A102-LCS/CH89A103-LCSD LCS Lot-Sample#: B8E170000-120					
	98	(84 - 114)			MCAWW 160.1	05/14-05/15/98	8137120
	97	(84 - 114)	0.51	(0-20)	MCAWW 160.1	05/14-05/15/98	8137120
		Dilution Factor: 1					
Total Suspended Solids		WO#:CHCVR102-LCS/CHCVR103-LCSD LCS Lot-Sample#: B8E210000-269					
	92	(76 - 121)			MCAWW 160.2	05/20-05/21/98	8141269
	92	(76 - 121)	0.0	(0-20)	MCAWW 160.2	05/20-05/21/98	8141269
		Dilution Factor: 1					
Total Suspended Solids		WO#:CHDCG102-LCS/CHDCG103-LCSD LCS Lot-Sample#: B8E220000-164					
	95	(76 - 121)			MCAWW 160.2	05/15-05/18/98	8142164
	99	(76 - 121)	3.9	(0-20)	MCAWW 160.2	05/15-05/18/98	8142164
		Dilution Factor: 1					
Total Suspended Solids		WO#:CH89C102-LCS/CH89C103-LCSD LCS Lot-Sample#: B8E170000-121					
	97	(76 - 121)			MCAWW 160.2	05/14-05/15/98	8137121
	95	(76 - 121)	2.6	(0-20)	MCAWW 160.2	05/14-05/15/98	8137121
		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 #...: PB023 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CHDJC102	LCS Lot-Sample#: B8E220000-210		
	99	(90 - 110)	MCAWW 375.4	05/21/98	8142210
		Dilution Factor: 1			
Sulfate		Work Order #: CHFHD102	LCS Lot-Sample#: B8E260000-251		
	92	(90 - 110)	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHFKE102	LCS Lot-Sample#: B8E260000-272		
	86	(65 - 119)	SW846 9010A	05/23/98	8146272
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHH0C102	LCS Lot-Sample#: B8E280000-209		
	92	(65 - 119)	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: CHKFW102	LCS Lot-Sample#: B8E300000-128		
	94	(90 - 112)	SW846 9060	05/28/98	8150128
		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# PB023

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	DISS	TOTAL	ALK	TOC	NO3	SO4	CL	HARD	CN	TSS	TDS	EXP
				8260A	8270B	8081	6010A	6010A	310.1	9060	353.2	375.3	325.3	130.2	9010A	160.2	160.1	8330
1	5/13/98	H8E130174	5455	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
2			5465	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
3			5735	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
			9007	X														
4	5/14/98	H8E140209	5485	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
5			5495	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
6			5496	X	X	X	X	X										X
7			5525	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
8			5585	QC	QC	QC	QC	QC	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC
9			5725	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
10			5745	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
11			9008	X														
12	5/15/98	H8E160146	5475	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
13			5515	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
14			5605	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
15			5755	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
16			5765	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
17			5766	X	X	X	X	X										X
18			5775	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
19			9010	X														
20																		

A = ARVADA
T = QES TAMPA
WS = QES WEST SACRAMENTO

MATRIX: WATER
ANALYTICAL DUE: 6-5-98
REPORT DUE: 6-8-98
CLOSED?__YES__

6/22/988:39 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Ord. Lot No.: H8E130174

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/13/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions? Protocols B/C (wet chem tests are on faxed RFA)			
2. If custody seals were missing/not intact, was client notified?			

PROJECT MANAGER : [signature] DATE: 5/13/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
~~all samples~~	BMB 5/13/98		
5465	Total metals	4d.	pH=7 / Preserve in lab
5735	↓	4d	pH=5 /
5465	PCB's	3b	Lid cracked.
			*Preserve acid.

☐ Client informed on _____ by _____. Person contacted: _____.
☒ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/13/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

_____

_____

_____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T.KNX PROJECT: PBOW Lot No.: H8E130174

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/15/98

QA016R7.doc, 01/29/98

Quote # 20941

H8E130174

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QESK

Project Number: 773206

Samples Shipment Date: 12-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624850487

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 [X]

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/12/98 Time: 1800

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

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

Sample Disposal:

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

1. Received By (Signature/Affiliation) Diane Lange Date: 5/13/98 Time: 8:30

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

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

Comments: 1L TOTAL METALS; 1L FILTERED METALS

custody seals intact
received at 2°C DL 5/13/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		IT+D pH<2
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total = pH = 7 Diss = pH<2
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

H8E130171

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total pH=5 Diss pH<2
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9007		12-MAY-98	16:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

~~766952 - 1st INVESTIGATION~~

H8E130174

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QEST

Project Number: ~~773206~~ 766952

Samples Shipment Date: 12-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Tumaround Time:

~~774484~~

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex801624852137

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)	Date: 5/12/98 Time: 1800	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: Q# 209911 "B & C" [PB023] SDG

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	1	H2SO4-pH 2	Nitrate by E353.2 in water	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

H8E130174

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		

H8E130174

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QESK

Project Number: ~~779208~~ 706952 Samples Shipment Date: 12-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR ab Destination: Quantera - Knoxville

Sample Coordinator: Duane Nielsen Lab Contact: John Reynolds

Turnaround Time: Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex801624850467

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)	Date: 5/12/98 Time: 1800	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: 1L TOTAL METALS; 1L FILTERED METALS

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	40 ml GVIAL_SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5455	PBOW-98-GW-AA1-BEDGW-001-5455	12-MAY-98	10:35	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5495	PBOW-98-GW-AA2-BEDGW-001-5495	12-MAY-98	15:20	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5495	PBOW-98-GW-AA2-BEDGW-001-5495	12-MAY-98	15:20	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

H8E130174

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051298QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5465	PBOW-98-GW-AA2-BEDGW-001-5465	12-MAY-98	15:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5735	PBOW-98-GW-MKMW10-5735	12-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9007		12-MAY-98	16:30	40 ml GVIAL,SEP	3	HCl-pH 2	TCL Volatiles by SW-846 8260A	N		

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: I.T. Knx PROJECT: PBOW Lot No.: H8E140209

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received? BBB	✓	✓	
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/14/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions? Water SDG PB... (Protocols B/C) We TAMPA CN - to login → refer to faxed RFA/COC	✓		
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/14/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BBB 5/14/98 ~~all samples~~	~~Diss Metals~~		
5496	Total Metals	4d	*Preserve in lab.
5725	BNA	3b	*see other 1L container
5585	Exp	4b	*only 1x1lb Recd

☐ Client informed on _____ by _____. Person contacted: _____.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/15/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. Kodak PROJECT: PBOW Lot No.: H8E190209

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?	✓		
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/15/98

Quote # 20941

H8E140209

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QESK

Project Number: 773206

Samples Shipment Date: 13-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624850476

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 [X]

1. Relinquished By (Signature/Affiliation) Date: 5/13/98 Time: 1800

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

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

Sample Disposal:

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

1. Received By (Signature/Affiliation) Diane Lange Date: 5/14/98 Time: 8:30

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

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

Comments: 1L - TOTAL METALS; 1L FILTERED METALS

custody seals intact
received at 3°C DL 5/14/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		pH<2
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		pH<2
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		pH<2

H8E140209

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5496	PBOW-98-GW-AA1-GW-002-5496	13-MAY-98	09:05	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5496	PBOW-98-GW-AA1-GW-002-5496	13-MAY-98	09:05	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 = Total pH<2 = Diss.
5496	PBOW-98-GW-AA1-GW-002-5496	13-MAY-98	09:05	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5496	PBOW-98-GW-AA1-GW-002-5496	13-MAY-98	09:05	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5496	PBOW-98-GW-AA1-GW-002-5496	13-MAY-98	09:05	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	2 HNO3, PH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		only Red 1x1.16
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	2 HNO3,PH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	2 HNO3,PH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		

H8E140209

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		1x1L Reid Broken
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	10:00	40 ml GVIAL,SEP	3 HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
B008									

5725 PBOW-98-GW-MKMW09-5725 TCL Semi Vol 1 sample Amber Crushed

H8E140209

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QEST

Project Number: 773206

Samples Shipment Date: 13-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex#801624852148

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)	Date: 5/13/98 Time: 1800	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:

Q#

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		
5485	PBOW-98-GW-ABG-BEDGW-001-5485	13-MAY-98	13:45	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	FR	CID	Condition On Receipt
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5495	PBOW-98-GW-AA1-GW-002-5495	13-MAY-98	09:05	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5525	PBOW-98-GW-ABG-GW-002-5525	13-MAY-98	14:55	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by SW-846 9056	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3	H2SO4<pH 2	Total Organic Carbon by SW9060 in water	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	NONE EXCEPT COOL TO	Nitrate by E353.2 in water	N		
5585	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by SW-846 9056	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3	H2SO4<pH 2	Total Organic Carbon by SW9060 in water	N		
5585-MS	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	NONE EXCEPT COOL TO	Nitrate by E353.2 in water	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by SW-846 9056	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	40 ml GVIAL,SEP	3	H2SO4<pH 2	Total Organic Carbon by SW9060 in water	N		
5585-MSD	PBOW-98-GW-ITMW08-5585	13-MAY-98	11:30	1 L HDPE	1	NONE EXCEPT COOL TO	Nitrate by E353.2 in water	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5725	PBOW-98-GW-MKMW09-5725	13-MAY-98	09:10	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5745	PBOW-98-GW-MKMW11-5745	13-MAY-98	08:00	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		

QUANTERRA KNOXVILLE LABORATORY

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: I.T. KNX PROJECT: PBOW Lot No.: H8E160146

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)	✓	✓	
d. Were custody seals present/intact on cooler and/or containers? 5/16/98	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/16/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20944			
b. Informed Login associates of special instructions ? SOG PB --- (Per faxed RFA/COC for Wet Chem)	✓		
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/15/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5475	Total Metals	4d	pH=4 & preserve in lab hood

☐ Client informed on _____ by _____. Person contacted: _____.

☑ Noted actions in comments section above.

☐ No action necessary; process as is.

Project Manager: [signature] Date: 5/18/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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=4
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T.Knox PROJECT: PBOW Lot No.: H8E160146

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			* Changed w/TPB tab
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/18/98

QA016R7.doc, 01/29/98

Quote # 20941

HBE160146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498QESK

Project Number: 773206

Samples Shipment Date: 14-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624850465

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) Date: 5/14/98 Time: 1600

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

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

1. Received By (Signature/Affiliation) Date: 5-15-98 Time: 10:35

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

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

Comments: 1L TOTAL METALS; 1L FILTERED METALS

custody seals intact
3 oC

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

H8E160146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5766	PBOW-98-GW-MKMW14-5766	14-MAY-98	12:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5766	PBOW-98-GW-MKMW14-5766	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5766	PBOW-98-GW-MKMW14-5766	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5766	PBOW-98-GW-MKMW14-5766	14-MAY-98	12:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5766	PBOW-98-GW-MKMW14-5766	14-MAY-98	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9010		14-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

HBE160146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498QEST

Project Number: 773206

Samples Shipment Date: 14-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex801624852803

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)	Date: 5/14/98 Time: 1800	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: SAME H2S GOOD ON SAMPLES 5515 + 5475

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5475	PBOW-98-GW-AA3-BEDGW-001-5475	14-MAY-98	11:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

H8E160146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5515	PBOW-98-GW-AA3-GW-002-5515	14-MAY-98	13:50	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5605	PBOW-98-GW-ITMW10-5605	14-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5755	PBOW-98-GW-MKMW12-5755	14-MAY-98	14:10	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5765	PBOW-98-GW-MKMW14-5765	14-MAY-98	12:00	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5775	PBOW-98-GW-MKMW15-5775	14-MAY-98	12:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		

HSE160146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5775	PBOW-98-GW-MOMW15-5775	14-MAY-98	12:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5775	PBOW-98-GW-MOMW15-5775	14-MAY-98	12:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5775	PBOW-98-GW-MOMW15-5775	14-MAY-98	12:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5775	PBOW-98-GW-MOMW15-5775	14-MAY-98	12:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 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-GW Dry Season Event
SDG #: PB024

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 24, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB024 : H8E160155

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH87W	001	5415	05/15/98	10:40
CH87X	002	5416	05/15/98	10:40
CH880	003	5545	05/15/98	09:50
CH881	004	5685	05/15/98	08:30
CH882	005	5415	05/15/98	10:40
CH883	006	5416	05/15/98	10:40
CH884	007	5545	05/15/98	09:50
CH885	008	5685	05/15/98	08:30

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

PB024 : H8E180160

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH92R	001	5535	05/16/98	10:30
CH92T	002	5665	05/16/98	09:15
CH92V	003	5905	05/16/98	09:30
CH92W	004	5955	05/16/98	08:00
CH92X	005	5955	05/16/98	08:00
CH930	006	9014	05/16/98	10:00
CH931	007	5535	05/16/98	10:30
CH932	008	5665	05/16/98	09:15
CH933	009	5905	05/16/98	09:30

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

PB024 : H8E190177

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH9WD	001	5435	05/18/98	09:55
CH9WE	002	5635	05/18/98	09:00
CH9WF	003	5655	05/18/98	08:00
CH9WG	004	5675	05/18/98	11:30
CH9WH	005	5785	05/18/98	13:10
CH9WJ	006	5825	05/18/98	09:30
CH9WK	007	5855	05/17/98	13:55
CH9WL	008	5865	05/17/98	14:35
CH9WM	009	5875	05/17/98	15:05
CH9WN	010	5885	05/17/98	13:15
CH9WP	011	9015	05/18/98	10:00
CH9WQ	012	5435	05/18/98	09:55
CH9WR	013	5635	05/18/98	09:00
CH9WT	014	5655	05/18/98	08:00
CH9WV	015	5675	05/18/98	11:30
CH9WW	016	5785	05/18/98	13:10
CH9WX	017	5825	05/18/98	09:30
CH9X0	018	5855	05/17/98	13:55
CH9X1	019	5865	05/17/98	14:35
CH9X2	020	5875	05/17/98	15:05
CH9X3	021	5885	05/17/98	13:15

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.

Quanterra Environmental Services

SDG SAMPLE SUMMARY REPORT

PB024

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E160101-003	D	05/15/98	LAB MS/MSD
B8E160101-003	S	05/15/98	LAB MS/MSD
B8E160108-005	D	05/16/98	LAB MS/MSD
B8E160108-005	S	05/16/98	LAB MS/MSD
B8E200140-005	X	05/20/98	INTRA-LAB QC
B8E220000-138	L	05/14/98	DUPLICATE CHECK
B8E220000-229	L	05/18/98	DUPLICATE CHECK
B8E260000-269	L	05/15/98	DUPLICATE CHECK
B8E280000-162	L	05/20/98	DUPLICATE CHECK
B8E290000-182	L	05/21/98	DUPLICATE CHECK
B8F010000-339	L	05/20/98	DUPLICATE CHECK
B8F010000-340	L	05/14/98	DUPLICATE CHECK
B8F020000-200	L	05/20/98	DUPLICATE CHECK
B8F030000-154	L	05/22/98	DUPLICATE CHECK
B8F040000-226	L	05/18/98	DUPLICATE CHECK
B8F040000-227	L	05/19/98	DUPLICATE CHECK
B8F040000-261	L	05/14/98	DUPLICATE CHECK
B8F080000-307	L	05/20/98	DUPLICATE CHECK
H8E140209-005	D	05/14/98	LAB MS/MSD
H8E140209-005	S	05/14/98	LAB MS/MSD
H8E160155-001		05/16/98	5415
H8E160155-001	D	05/16/98	5415
H8E160155-001	S	05/16/98	5415
H8E160155-002		05/16/98	5416
H8E160155-003		05/16/98	5545
H8E160155-004		05/16/98	5685
H8E160155-004	X	05/16/98	5685 DUP
H8E160155-005		05/16/98	5415
H8E160155-005	D	05/16/98	5415
H8E160155-005	S	05/16/98	5415

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Quanterra Environmental Services

SDG SAMPLE SUMMARY REPORT

PB024

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E160155-006		05/16/98	5416
H8E160155-007		05/16/98	5545
H8E160155-008		05/16/98	5685
H8E180160-001		05/18/98	5535
H8E180160-001	D	05/18/98	5535
H8E180160-001	S	05/18/98	5535
H8E180160-002		05/18/98	5665
H8E180160-003		05/18/98	5905
H8E180160-004		05/18/98	5955
H8E180160-004	X	05/18/98	5955 DUP
H8E180160-005		05/18/98	5955
H8E180160-006		05/18/98	9014
H8E180160-007		05/18/98	5535
H8E180160-008		05/18/98	5665
H8E180160-009		05/18/98	5905
H8E190177-001		05/19/98	5435
H8E190177-002		05/19/98	5635
H8E190177-003		05/19/98	5655
H8E190177-004		05/19/98	5675
H8E190177-005		05/19/98	5785
H8E190177-006		05/19/98	5825
H8E190177-007		05/19/98	5855
H8E190177-008		05/19/98	5865
H8E190177-009		05/19/98	5875
H8E190177-010		05/19/98	5885
H8E190177-011		05/19/98	9015
H8E190177-012		05/19/98	5435
H8E190177-013		05/19/98	5635
H8E190177-014		05/19/98	5655
H8E190177-015		05/19/98	5675
H8E190177-016		05/19/98	5785
H8E190177-017		05/19/98	5825
H8E190177-018		05/19/98	5855
H8E190177-019		05/19/98	5865
H8E190177-020		05/19/98	5875
H8E190177-021		05/19/98	5885
H8E190178-003	D	05/19/98	LAB MS/MSD
H8E190178-003	S	05/19/98	LAB MS/MSD
H8E200000-130	L	05/18/98	DUPLICATE CHECK

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Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB024

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E200000-278	L	05/16/98	DUPLICATE CHECK
H8E200144-001	D	05/20/98	LAB MS/MSD
H8E200144-001	S	05/20/98	LAB MS/MSD
H8E200144-002	D	05/20/98	LAB MS/MSD
H8E200144-002	S	05/20/98	LAB MS/MSD
H8E210000-152	L	05/15/98	DUPLICATE CHECK
H8E210000-156	L	05/19/98	DUPLICATE CHECK
H8E220101-005	X	05/21/98	INTRA-LAB QC
H8E270000-124	L	05/16/98	DUPLICATE CHECK
H8E280000-146	L	05/19/98	DUPLICATE CHECK

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ANALYTICAL METHODS SUMMARY

PB024

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.

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PROJECT NARRATIVE

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

Volatiles

Surrogate recoveries for method blanks CHGQN101 and CHKFN101, and sample 5875 were outside control limits. Since the recoveries were high, and no analytes were detected in the analyses above the reporting limit, the data was submitted.

Semivolatiles

Recovery for internal standard perylene-d12 was outside control limits in sample 5865 due to hydrogen-deuterium exchange. Based on historical data and in order to preserve the integrity of the instrument, the laboratory did not proceed with re-analyses. The concentration of 3-nitroanaline exceeded the calibration in this sample, and the results are considered as estimated.

Metals

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

Wet Chemistry

The batch matrix spike/matrix spike duplicate recoveries and/or RPDs were outside control limits for chloride and sulfate. However, the laboratory control samples showed acceptable results indicating that the analyses were in control. The results are, therefore, attributed to matrix effects.

COMMENTS:

Sample Receiving

Sample 9012 was canceled for volatiles (8260A) analyses by IT corporation.

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Quanterra
Environmental Services

PROJECT NARRATIVE

COMMENTS:

Samples 5535, 5565 and 5905 were canceled for volatiles (8260A), semivolatiles (8270B), PCBs (8081) and explosives (8330) analyses due to unacceptable cooler temperature receipt.

Volatiles

The result for methylene chloride for method blank CHHRP101 was greater than the reporting limit, but less than 5 times the reporting limit. Methylene chloride is considered a common laboratory contaminant.

Samples 5685, 5435, and 5955 were reported with elevated reporting limits for all analytes. Based on screening results, a dilution was necessary prior to analysis; the reporting limits were adjusted accordingly.

PCBs

Samples 5955 and 5435 were reported with elevated reporting limits for all analytes due to the difficult sample matrix. The lowest dilution that could be analyzed was performed; the reporting limits were adjusted accordingly.

Wet Chemistry

Samples 5905, 5955, 5435, 5865, 5875, 5885 were reported with elevated reporting limits for nitrate/nitrite due to sample matrix.

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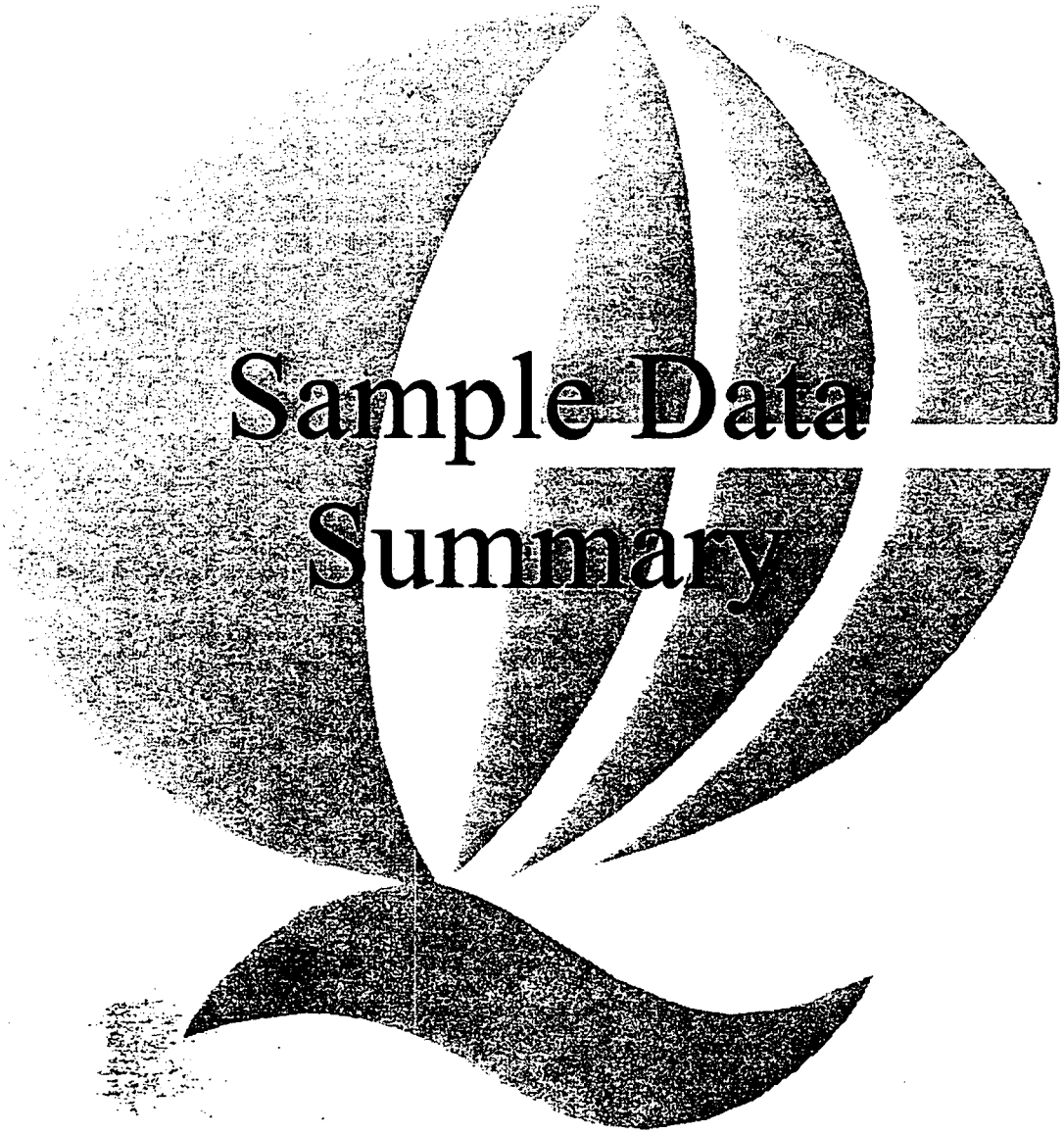

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

GC/MS Volatiles

Lot-Sample #...: H8E160155-001 **Work Order #...:** CH87W101 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	101	(76 - 111)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

GC/MS Volatiles

Lot-Sample #...: H8E160155-002 **Work Order #...:** CH87X101 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	**0.24 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	101	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

GC/MS Volatiles

Lot-Sample #...: H8E160155-002 Work Order #...: CH87X101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

GC/MS Volatiles

Lot-Sample #...: H8E160155-003 **Work Order #...:** CH880101 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

GC/MS Volatiles

Lot-Sample #...: H8E160155-003 Work Order #...: CH880101 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: 5685

GC/MS Volatiles

Lot-Sample #...: H8E160155-004 **Work Order #...:** CH881101 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 2 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	**0.64 J**	**2.0**	**ug/L**
Acetone	**6.9 J,B**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Benzene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	**1.9 J,B**	**10**	**ug/L**
Tetrachloroethene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	101	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

GC/MS Volatiles

Lot-Sample #...: H8E160155-004 Work Order #...: CH881101 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: 5955

GC/MS Volatiles

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W201 **Matrix.....:** WATER
Date Sampled...: 05/16/98 **Date Received..:** 05/18/98
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.3 J**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	**6.9**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**1.9 J**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**1.5 J**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**1.2 J**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**10**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	106	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

GC/MS Volatiles

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W201 **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 9014

GC/MS Volatiles

Lot-Sample #...: H8E180160-006 **Work Order #...:** CH930101 **Matrix.....:** WATER
Date Sampled...: 05/16/98 **Date Received..:** 05/18/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**2.8 J,B**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.35 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.27 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9014

GC/MS Volatiles

Lot-Sample #...: H8E180160-006 Work Order #...: CH930101 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: 5435

GC/MS Volatiles

Lot-Sample #...: H8E190177-001 **Work Order #...:** CH9WD101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**3.1 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

GC/MS Volatiles

Lot-Sample #...: H8E190177-001 Work Order #...: CH9WD101 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: 5635

GC/MS Volatiles

Lot-Sample #...: H8E190177-002 **Work Order #...:** CH9WE101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

GC/MS Volatiles

Lot-Sample #...: H8E190177-002 Work Order #...: CH9WE101 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: 5655

GC/MS Volatiles

Lot-Sample #...: H8E190177-003 **Work Order #...:** CH9WF101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.51 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

GC/MS Volatiles

Lot-Sample #...: H8E190177-003 Work Order #...: CH9WF101 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: 5675

GC/MS Volatiles

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.52 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

GC/MS Volatiles

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG101 **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: 5785

GC/MS Volatiles

Lot-Sample #...: H8E190177-005 **Work Order #...:** CH9WH101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.52 J,B**	**1.0**	**ug/L**
Acetone	**5.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

GC/MS Volatiles

Lot-Sample #...: H8E190177-005 Work Order #...: CH9WH101 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: 5825

GC/MS Volatiles

Lot-Sample #...: H8E190177-006 **Work Order #...:** CH9WJ101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.52 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**7.8**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

GC/MS Volatiles

Lot-Sample #...: H8E190177-006 Work Order #...: CH9WJ101 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: 5855

GC/MS Volatiles

Lot-Sample #...: H8E190177-007 **Work Order #...:** CH9WK101 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.49 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.29 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.62 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

GC/MS Volatiles

Lot-Sample #...: H8E190177-007 Work Order #...: CH9WK101 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: 5865

GC/MS Volatiles

Lot-Sample #...: H8E190177-008 **Work Order #...:** CH9WL101 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.52 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**0.20 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.27 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.35 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**0.14 J**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.84 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

GC/MS Volatiles

Lot-Sample #...: H8E190177-008 Work Order #...: CH9WL101 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: 5875

GC/MS Volatiles

Lot-Sample #...: H8E190177-009 **Work Order #...:** CH9WM101 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/30/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8150122
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	**0.26 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.16 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.53 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(67 - 128)
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	114 *	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

GC/MS Volatiles

Lot-Sample #...: H8E190177-009 Work Order #...: CH9WM101 Matrix.....: WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

GC/MS Volatiles

Lot-Sample #...: H8E190177-010 **Work Order #...:** CH9WN101 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.6 B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.28 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.58 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**0.19 J**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**1.6**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	84	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

GC/MS Volatiles

Lot-Sample #...: H8E190177-010 Work Order #...: CH9WN101 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: 9015

GC/MS Volatiles

Lot-Sample #...: H8E190177-011 **Work Order #...:** CH9WP101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.54 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.25 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.23 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9015

GC/MS Volatiles

Lot-Sample #...: H8E190177-011 Work Order #...: CH9WP101 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 #...: PB024 **Work Order #...:** CHFNH101 **Matrix.....:** WATER
MB Lot-Sample #: H8E270000-124

Prep Date.....: 05/27/98
Analysis Date...: 05/27/98 **Prep Batch #...:** 8147124
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	**3.1 J**	**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	**1.7 J**	**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	**0.74 J**	**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
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHFNH101 **Matrix.....:** WATER

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHFNH102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E270000-124 CHFNH103-LCSD
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(70 - 137)**			**SW846 8260A**
	94	**(70 - 137)**	**1.6**	**(0-12)**	**SW846 8260A**
Benzene	**91**	**(76 - 123)**			**SW846 8260A**
	91	**(76 - 123)**	**0.68**	**(0-10)**	**SW846 8260A**
Trichloroethene	**90**	**(75 - 129)**			**SW846 8260A**
	90	**(75 - 129)**	**0.15**	**(0-14)**	**SW846 8260A**
Toluene	**95**	**(77 - 115)**			**SW846 8260A**
	95	**(77 - 115)**	**0.71**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**93**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**0.14**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(67 - 128)
	93	(67 - 128)
1,2-Dichloroethane-d4	97	(67 - 128)
	97	(67 - 128)
Toluene-d8	97	(71 - 119)
	98	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)
	91	(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 #...: PB024 **Work Order #...:** CHGQN101 **Matrix.....:** WATER
MB Lot-Sample #: H8E280000-146

Prep Date.....: 05/28/98
Analysis Date..: 05/28/98 **Prep Batch #...:** 8148146
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
Dibromofluoromethane	89	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	112 *	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHGQN101 **Matrix.....:** WATER

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHGQN102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E280000-146 CHGQN103-LCSD
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**96**	**(70 - 137)**			**SW846 8260A**
	93	**(70 - 137)**	**3.0**	**(0-12)**	**SW846 8260A**
Benzene	**93**	**(76 - 123)**			**SW846 8260A**
	96	**(76 - 123)**	**2.3**	**(0-10)**	**SW846 8260A**
Trichloroethene	**91**	**(75 - 129)**			**SW846 8260A**
	91	**(75 - 129)**	**0.71**	**(0-14)**	**SW846 8260A**
Toluene	**95**	**(77 - 115)**			**SW846 8260A**
	95	**(77 - 115)**	**0.22**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**92**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**0.74**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(67 - 128)
	94	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
	94	(67 - 128)
Toluene-d8	97	(71 - 119)
	96	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)
	98	(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 #...: PB024 **Work Order #...:** CHHRP101 **Matrix.....:** WATER
MB Lot-Sample #: H8E290000-144

Prep Date.....: 05/29/98
Analysis Date..: 05/29/98 **Prep Batch #...:** 8149144
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	**2.2**	**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
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	83	(76 - 111)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHHRP102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E290000-144
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149144
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**91**	**(70 - 137)**	**SW846 8260A**
Benzene	**94**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**99**	**(75 - 129)**	**SW846 8260A**
Toluene	**89**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**96**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	84	(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 #...: PB024 **Work Order #...:** CHKFN101 **Matrix.....:** WATER
MB Lot-Sample #: H8E300000-122

Prep Date.....: 05/30/98
Analysis Date..: 05/30/98 **Prep Batch #...:** 8150122
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
Dibromofluoromethane	94	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	115 *	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHKFN101 **Matrix.....:** WATER

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB024 **Work Order #...:** CHKFN102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E300000-122
Prep Date.....: 05/30/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8150122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**85**	**(70 - 137)**	**SW846 8260A**
Benzene	**93**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**89**	**(75 - 129)**	**SW846 8260A**
Toluene	**89**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**88**	**(78 - 116)**	**SW846 8260A**

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

NOTE(S):

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

Bold print denotes control parameters

IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-001 **Work Order #...:** CH87W102 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-001 **Work Order #...:** CH87W102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**4.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(27 - 106)
Phenol-d5	74	(27 - 111)
Nitrobenzene-d5	85	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	91	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-002 **Work Order #...:** CH87X102 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-002 **Work Order #...:** CH87X102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	91	(37 - 115)
2-Fluorobiphenyl	89	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	70	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-003 **Work Order #...:** CH880102 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	**1.3 J**	**50**	**ug/L**
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	**6.7 J**	**10**	**ug/L**
3-Nitroaniline	**3.3 J**	**50**	**ug/L**
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**43**	**10**	**ug/L**

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-003 **Work Order #...:** CH880102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**7.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(27 - 106)
Phenol-d5	77	(27 - 111)
Nitrobenzene-d5	87	(37 - 115)
2-Fluorobiphenyl	81	(43 - 116)
2,4,6-Tribromophenol	95	(27 - 127)
Terphenyl-d14	68	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-004 **Work Order #...:** CH881102 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	**3.7 J**	**10**	**ug/L**
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	**1.8 J**	**10**	**ug/L**
3-Nitroaniline	**330 E**	**50**	**ug/L**
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	**7.6 J**	**50**	**ug/L**
4-Nitrophenol	**1.6 J**	**50**	**ug/L**
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**55**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

GC/MS Semivolatiles

Lot-Sample #...: H8E160155-004 Work Order #...: CH881102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	47	(27 - 106)
Phenol-d5	57	(27 - 111)
Nitrobenzene-d5	67	(37 - 115)
2-Fluorobiphenyl	65	(43 - 116)
2,4,6-Tribromophenol	69	(27 - 127)
Terphenyl-d14	50	(33 - 141)

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: 5955

GC/MS Semivolatiles

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W102 **Matrix.....:** WATER
Date Sampled...: 05/16/98 **Date Received..:** 05/18/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141152
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**1.5 J**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

GC/MS Semivolatiles

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**24**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(27 - 106)
Phenol-d5	68	(27 - 111)
Nitrobenzene-d5	71	(37 - 115)
2-Fluorobiphenyl	75	(43 - 116)
2,4,6-Tribromophenol	82	(27 - 127)
Terphenyl-d14	78	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-001 **Work Order #...:** CH9WD102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-001 **Work Order #...:** CH9WD102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.1 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
Phenol-d5	73	(27 - 111)
Nitrobenzene-d5	87	(37 - 115)
2-Fluorobiphenyl	87	(43 - 116)
2,4,6-Tribromophenol	90	(27 - 127)
Terphenyl-d14	102	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-002 **Work Order #...:** CH9WE102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-002 Work Order #...: CH9WE102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
Phenol-d5	77	(27 - 111)
Nitrobenzene-d5	94	(37 - 115)
2-Fluorobiphenyl	89	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	55	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-003 **Work Order #...:** CH9WF102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-003 Work Order #...: CH9WF102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(27 - 106)
Phenol-d5	57	(27 - 111)
Nitrobenzene-d5	69	(37 - 115)
2-Fluorobiphenyl	64	(43 - 116)
2,4,6-Tribromophenol	71	(27 - 127)
Terphenyl-d14	80	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	53	(27 - 106)
Phenol-d5	61	(27 - 111)
Nitrobenzene-d5	72	(37 - 115)
2-Fluorobiphenyl	67	(43 - 116)
2,4,6-Tribromophenol	82	(27 - 127)
Terphenyl-d14	93	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-005 **Work Order #...:** CH9WH102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-005 **Work Order #...:** CH9WH102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.8 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(27 - 106)
Phenol-d5	64	(27 - 111)
Nitrobenzene-d5	68	(37 - 115)
2-Fluorobiphenyl	66	(43 - 116)
2,4,6-Tribromophenol	86	(27 - 127)
Terphenyl-d14	90	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-006 **Work Order #...:** CH9WJ102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-006 Work Order #...: CH9WJ102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(27 - 106)
Phenol-d5	57	(27 - 111)
Nitrobenzene-d5	66	(37 - 115)
2-Fluorobiphenyl	64	(43 - 116)
2,4,6-Tribromophenol	71	(27 - 127)
Terphenyl-d14	82	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-007 **Work Order #...:** CH9WK102 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-007 **Work Order #...:** CH9WK102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**8.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(27 - 106)
Phenol-d5	78	(27 - 111)
Nitrobenzene-d5	92	(37 - 115)
2-Fluorobiphenyl	89	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	90	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-008 **Work Order #...:** CH9WL102 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-008 **Work Order #...:** CH9WL102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.7 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(27 - 106)
Phenol-d5	73	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	81	(43 - 116)
2,4,6-Tribromophenol	98	(27 - 127)
Terphenyl-d14	65	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-009 **Work Order #...:** CH9WM102 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-009 **Work Order #...:** CH9WM102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(27 - 106)
Phenol-d5	78	(27 - 111)
Nitrobenzene-d5	83	(37 - 115)
2-Fluorobiphenyl	80	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	83	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-010 **Work Order #...:** CH9WN102 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/21/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8141156
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

GC/MS Semivolatiles

Lot-Sample #...: H8E190177-010 **Work Order #...:** CH9WN102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(27 - 106)
Phenol-d5	82	(27 - 111)
Nitrobenzene-d5	89	(37 - 115)
2-Fluorobiphenyl	80	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	81	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB024 **Work Order #...:** CHC7L101 **Matrix.....:** WATER
MB Lot-Sample #: H8E210000-152

Prep Date.....: 05/21/98
Analysis Date..: 06/01/98 **Prep Batch #...:** 8141152
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 #...: PB024 **Work Order #...:** CHC7L101 **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	69	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	87	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	99	(33 - 141)

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 #...: PB024 **Work Order #...:** CHC7L102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E210000-152 CHC7L103-LCSD
Prep Date.....: 05/21/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8141152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**78**	**(28 - 113)**			**SW846 8270B**
	79	**(28 - 113)**	**2.0**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**77**	**(52 - 103)**			**SW846 8270B**
	81	**(52 - 103)**	**4.7**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**72**	**(40 - 100)**			**SW846 8270B**
	73	**(40 - 100)**	**1.9**	**(0-20)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**74**	**(22 - 125)**			**SW846 8270B**
	77	**(22 - 125)**	**3.4**	**(0-21)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**80**	**(49 - 100)**			**SW846 8270B**
	83	**(49 - 100)**	**3.9**	**(0-20)**	**SW846 8270B**
4-Chloro-3-methylphenol	**83**	**(54 - 110)**			**SW846 8270B**
	85	**(54 - 110)**	**2.7**	**(0-20)**	**SW846 8270B**
Acenaphthene	**84**	**(58 - 113)**			**SW846 8270B**
	82	**(58 - 113)**	**2.7**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**65**	**(18 - 135)**			**SW846 8270B**
	75	**(18 - 135)**	**15**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**84**	**(59 - 120)**			**SW846 8270B**
	82	**(59 - 120)**	**2.9**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**66**	**(20 - 123)**			**SW846 8270B**
	80	**(20 - 123)**	**20**	**(0-31)**	**SW846 8270B**
Pyrene	**101**	**(54 - 122)**			**SW846 8270B**
	104	**(54 - 122)**	**2.3**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
	66	(27 - 106)
Phenol-d5	76	(27 - 111)
	80	(27 - 111)
Nitrobenzene-d5	84	(37 - 115)
	86	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
	86	(43 - 116)
2,4,6-Tribromophenol	89	(27 - 127)
	87	(27 - 127)
Terphenyl-d14	96	(33 - 141)
	102	(33 - 141)

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 #...: PB024 **Work Order #...:** CHC7V101 **Matrix.....:** WATER
MB Lot-Sample #: H8E210000-156

Prep Date.....: 05/21/98
Analysis Date..: 06/02/98 **Prep Batch #...:** 8141156
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 #...: PB024 **Work Order #...:** CHC7V101 **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	68	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	91	(37 - 115)
2-Fluorobiphenyl	90	(43 - 116)
2,4,6-Tribromophenol	94	(27 - 127)
Terphenyl-d14	96	(33 - 141)

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 #...: PB024 **Work Order #...:** CHC7V102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E210000-156 CHC7V103-LCSD
Prep Date.....: 05/21/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8141156
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**81**	**(28 - 113)**			**SW846 8270B**
	80	**(28 - 113)**	**1.2**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**78**	**(52 - 103)**			**SW846 8270B**
	81	**(52 - 103)**	**4.2**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(40 - 100)**			**SW846 8270B**
	70	**(40 - 100)**	**1.2**	**(0-20)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**71**	**(22 - 125)**			**SW846 8270B**
	74	**(22 - 125)**	**4.1**	**(0-21)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**81**	**(49 - 100)**			**SW846 8270B**
	81	**(49 - 100)**	**0.24**	**(0-20)**	**SW846 8270B**
4-Chloro-3-methylphenol	**85**	**(54 - 110)**			**SW846 8270B**
	85	**(54 - 110)**	**0.0**	**(0-20)**	**SW846 8270B**
Acenaphthene	**85**	**(58 - 113)**			**SW846 8270B**
	86	**(58 - 113)**	**0.70**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**68**	**(18 - 135)**			**SW846 8270B**
	67	**(18 - 135)**	**1.8**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**84**	**(59 - 120)**			**SW846 8270B**
	88	**(59 - 120)**	**5.4**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**60**	**(20 - 123)**			**SW846 8270B**
	63	**(20 - 123)**	**4.1**	**(0-31)**	**SW846 8270B**
Pyrene	**103**	**(54 - 122)**			**SW846 8270B**
	108	**(54 - 122)**	**4.4**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(27 - 106)
	69	(27 - 106)
Phenol-d5	81	(27 - 111)
	79	(27 - 111)
Nitrobenzene-d5	92	(37 - 115)
	90	(37 - 115)
2-Fluorobiphenyl	91	(43 - 116)
	86	(43 - 116)
2,4,6-Tribromophenol	93	(27 - 127)
	91	(27 - 127)
Terphenyl-d14	106	(33 - 141)
	101	(33 - 141)

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: 5415

GC Semivolatiles

Lot-Sample #...: H8E160155-001 **Work Order #...:** CH87W103 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(30 - 133)
Decachlorobiphenyl	66	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

GC Semivolatiles

Lot-Sample #...: H8E160155-002 **Work Order #...:** CH87X103 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

GC Semivolatiles

Lot-Sample #...: H8E160155-003 **Work Order #...:** CH880103 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(30 - 133)
Decachlorobiphenyl	53	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

GC Semivolatiles

Lot-Sample #...: H8E160155-004 **Work Order #...:** CH881103 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/18/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8138148
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(30 - 133)
Decachlorobiphenyl	45	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

GC Semivolatiles

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W103 **Matrix.....:** WATER
Date Sampled...: 05/16/98 **Date Received..:** 05/18/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/18/98
Prep Batch #...: 8140130
Dilution Factor: 5 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	5.0	ug/L
Aroclor 1221	ND	5.0	ug/L
Aroclor 1232	ND	5.0	ug/L
Aroclor 1242	ND	5.0	ug/L
Aroclor 1248	ND	5.0	ug/L
Aroclor 1254	ND	5.0	ug/L
Aroclor 1260	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	274 *	(30 - 133)
Decachlorobiphenyl	120	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

GC Semivolatiles

Lot-Sample #...:	H8E190177-001	**Work Order #...:**	CH9WD103	**Matrix.....:**	WATER
Date Sampled...:	05/18/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8140130				
Dilution Factor:	5	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	5.0	ug/L
Aroclor 1221	ND	5.0	ug/L
Aroclor 1232	ND	5.0	ug/L
Aroclor 1242	ND	5.0	ug/L
Aroclor 1248	ND	5.0	ug/L
Aroclor 1254	ND	5.0	ug/L
Aroclor 1260	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	135 *	(30 - 133)
Decachlorobiphenyl	129	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

GC Semivolatiles

Lot-Sample #...: H8E190177-002 **Work Order #...:** CH9WE103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	88	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

GC Semivolatiles

Lot-Sample #...: H8E190177-003 **Work Order #...:** CH9WF103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(30 - 133)
Decachlorobiphenyl	80	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

GC Semivolatiles

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(30 - 133)
Decachlorobiphenyl	109	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

GC Semivolatiles

Lot-Sample #...: H8E190177-005
Date Sampled...: 05/18/98
Prep Date.....: 05/20/98
Prep Batch #...: 8140130
Dilution Factor: 1

Work Order #...: CH9WH103
Date Received..: 05/19/98
Analysis Date..: 06/09/98

Matrix.....: WATER

Method.....: SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(30 - 133)
Decachlorobiphenyl	93	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

GC Semivolatiles

Lot-Sample #...: H8E190177-006 **Work Order #...:** CH9WJ103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	43	(30 - 133)
Decachlorobiphenyl	84	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

GC Semivolatiles

Lot-Sample #...: H8E190177-007 **Work Order #...:** CH9WK103 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(30 - 133)
Decachlorobiphenyl	94	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

GC Semivolatiles

Lot-Sample #...: H8E190177-008 **Work Order #...:** CH9WL103 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
Decachlorobiphenyl	99	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

GC Semivolatiles

Lot-Sample #...: H8E190177-009 **Work Order #...:** CH9WM103 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(30 - 133)
Decachlorobiphenyl	106	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

GC Semivolatiles

Lot-Sample #...: H8E190177-010 **Work Order #...:** CH9WN103 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	109	(30 - 133)
Decachlorobiphenyl	109	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB024 **Work Order #...:** CH8DH101 **Matrix.....:** WATER
MB Lot-Sample #: H8E180000-148

Prep Date.....: 05/18/98
Analysis Date..: 06/08/98 **Prep Batch #...:** 8138148
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	111	(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 #...: PB024 **Work Order #...:** CH8DH102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E180000-148
Prep Date.....: 05/18/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8138148
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**111**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**102**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95	(30 - 133)
Decachlorobiphenyl	122	(30 - 139)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB024 **Work Order #...:** CHA1D101 **Matrix.....:** WATER
MB Lot-Sample #: H8E200000-130

Prep Date.....: 05/20/98
Analysis Date..: 06/09/98 **Prep Batch #...:** 8140130
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	104	(30 - 133)
Decachlorobiphenyl	117	(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 #...: PB024 **Work Order #...:** CHA1D102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E200000-130 CHA1D103-LCSD
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**119**	**(70 - 158)**			**SW846 8081**
	120	**(70 - 158)**	**1.5**	**(0-25)**	**SW846 8081**
Aroclor 1260	**103**	**(70 - 158)**			**SW846 8081**
	108	**(70 - 158)**	**5.1**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(30 - 133)
	102	(30 - 133)
Decachlorobiphenyl	122	(30 - 139)
	133	(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: 5415

HPLC

Lot-Sample #...:	H8E160155-001	**Work Order #...:**	CH87W10V	**Matrix.....:**	WATER
Date Sampled...:	05/15/98	**Date Received..:**	05/16/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	05/24/98		
Prep Batch #...:	8140278				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

HPLC

Lot-Sample #...: H8E160155-002 **Work Order #...:** CH87X10V **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

HPLC

Lot-Sample #...: H8E160155-003 **Work Order #...:** CH88010V **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 10 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L
1,3-Dinitrobenzene	**19**	**2.0**	**ug/L**
2,4-Dinitrotoluene	**47**	**2.0**	**ug/L**
2,6-Dinitrotoluene	**8.9**	**2.0**	**ug/L**
HMX	ND	5.0	ug/L
Nitrobenzene	**2.5**	**2.0**	**ug/L**
2-Nitrotoluene	ND	2.0	ug/L
3-Nitrotoluene	**36**	**2.0**	**ug/L**
RDX	**6.2**	**5.0**	**ug/L**
Tetryl	ND	2.0	ug/L
1,3,5-Trinitrobenzene	**15**	**2.0**	**ug/L**
2,4,6-Trinitrotoluene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5685

HPLC

Lot-Sample #...: H8E160155-004 **Work Order #...:** CH88110V **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	4.0	ug/L
1,3-Dinitrobenzene	**23**	**4.0**	**ug/L**
2,4-Dinitrotoluene	**21**	**4.0**	**ug/L**
2,6-Dinitrotoluene	**4.1**	**4.0**	**ug/L**
HMX	ND	10	ug/L
Nitrobenzene	ND	4.0	ug/L
2-Nitrotoluene	ND	4.0	ug/L
3-Nitrotoluene	ND	4.0	ug/L
RDX	ND	10	ug/L
Tetryl	ND	4.0	ug/L
1,3,5-Trinitrobenzene	**23**	**4.0**	**ug/L**
2,4,6-Trinitrotoluene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5955

HPLC

Lot-Sample #...: H8E180160-004 **Work Order #...:** CH92W10V **Matrix.....:** WATER
Date Sampled...: 05/16/98 **Date Received..:** 05/18/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

HPLC

Lot-Sample #...: H8E190177-001 **Work Order #...:** CH9WD10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

HPLC

Lot-Sample #...: H8E190177-002 **Work Order #...:** CH9WE10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

HPLC

Lot-Sample #...: H8E190177-003 **Work Order #...:** CH9WF10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

HPLC

Lot-Sample #...: H8E190177-004 **Work Order #...:** CH9WG10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

HPLC

Lot-Sample #...: H8E190177-005 **Work Order #...:** CH9WH10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

HPLC

Lot-Sample #...: H8E190177-006 **Work Order #...:** CH9WJ10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	**0.86**	**0.20**	**ug/L**
1,3-Dinitrobenzene	ND	0.20	ug/L
2,4-Dinitrotoluene	**0.35**	**0.20**	**ug/L**
2,6-Dinitrotoluene	**1.2**	**0.20**	**ug/L**
HMX	ND	0.50	ug/L
Nitrobenzene	**0.26**	**0.20**	**ug/L**
2-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L
RDX	ND	0.50	ug/L
Tetryl	ND	0.20	ug/L
1,3,5-Trinitrobenzene	**0.43**	**0.20**	**ug/L**
2,4,6-Trinitrotoluene	**1.7**	**0.20**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

HPLC

Lot-Sample #...: H8E190177-007 **Work Order #...:** CH9WK10V **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

HPLC

Lot-Sample #...: H8E190177-008 **Work Order #...:** CH9WL10V **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

HPLC

Lot-Sample #...:	H8E190177-009	**Work Order #...:**	CH9WM10V	**Matrix.....:**	WATER
Date Sampled...:	05/17/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	05/24/98		
Prep Batch #...:	8140278				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

HPLC

Lot-Sample #...: H8E190177-010 **Work Order #...:** CH9WN10V **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(39 - 157)

METHOD BLANK REPORT

HPLC

Client Lot #...: PB024 **Work Order #...:** CHAQ6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E200000-278

Prep Date.....: 05/20/98
Analysis Date..: 05/23/98 **Prep Batch #...:** 8140278
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	105	(39 - 157)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: PB024 **Work Order #...:** CHAQ6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E200000-278 CHAQ6103-LCSD
Prep Date.....: 05/20/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8140278
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.0	2.8	ug/L	93		SW846 8330
	3.0	2.8	ug/L	92	0.80	SW846 8330
RDX	3.0	3.7	ug/L	123		SW846 8330
	3.0	3.6	ug/L	119	3.0	SW846 8330
1,3,5-Trinitrobenzene	3.0	3.6	ug/L	121		SW846 8330
	3.0	3.5	ug/L	118	3.1	SW846 8330
1,3-Dinitrobenzene	3.0	3.6	ug/L	118		SW846 8330
	3.0	3.4	ug/L	115	3.0	SW846 8330
Tetryl	3.0	2.9	ug/L	98		SW846 8330
	3.0	2.9	ug/L	96	1.6	SW846 8330
Nitrobenzene	3.0	3.1	ug/L	104		SW846 8330
	3.0	3.2	ug/L	106	1.2	SW846 8330
2,4,6-Trinitrotoluene	3.0	3.0	ug/L	101		SW846 8330
	3.0	3.0	ug/L	99	2.0	SW846 8330
4-Amino-2,6-dinitrotoluene	3.0	2.9	ug/L	96		SW846 8330
	3.0	2.8	ug/L	93	3.5	SW846 8330
2,6-Dinitrotoluene	3.0	3.4	ug/L	112		SW846 8330
	3.0	3.2	ug/L	108	3.9	SW846 8330
2,4-Dinitrotoluene	3.0	3.3	ug/L	111		SW846 8330
	3.0	3.2	ug/L	108	2.5	SW846 8330
2-Nitrotoluene	3.0	2.8	ug/L	94		SW846 8330
	3.0	3.0	ug/L	99	5.2	SW846 8330
3-Nitrotoluene	3.0	2.9	ug/L	97		SW846 8330
	3.0	3.0	ug/L	99	2.0	SW846 8330
2-Amino-4,6-dinitrotoluene	3.0	3.3	ug/L	110		SW846 8330
	3.0	3.2	ug/L	107	2.7	SW846 8330
4-Nitrotoluene	3.0	3.0	ug/L	99		SW846 8330
	3.0	3.0	ug/L	101	2.3	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)
	101	(39 - 157)

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 #...: PB024 Work Order #...: CHAQ6102-LCS Matrix.....: WATER
LCS Lot-Sample#: H8E200000-278 CHAQ6103-LCSD
Prep Date.....: 05/20/98 Analysis Date..: 05/23/98
Prep Batch #...: 8140278
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	93	(67 - 123)			SW846 8330
	92	(67 - 123)	0.80	(0-23)	SW846 8330
RDX	123	(85 - 157)			SW846 8330
	119	(85 - 157)	3.0	(0-30)	SW846 8330
1,3,5-Trinitrobenzene	121	(80 - 141)			SW846 8330
	118	(80 - 141)	3.1	(0-18)	SW846 8330
1,3-Dinitrobenzene	118	(81 - 142)			SW846 8330
	115	(81 - 142)	3.0	(0-25)	SW846 8330
Tetryl	98	(55 - 140)			SW846 8330
	96	(55 - 140)	1.6	(0-35)	SW846 8330
Nitrobenzene	104	(69 - 140)			SW846 8330
	106	(69 - 140)	1.2	(0-20)	SW846 8330
2,4,6-Trinitrotoluene	101	(69 - 146)			SW846 8330
	99	(69 - 146)	2.0	(0-24)	SW846 8330
4-Amino-2,6-dinitrotoluene	96	(75 - 130)			SW846 8330
	93	(75 - 130)	3.5	(0-23)	SW846 8330
2,6-Dinitrotoluene	112	(74 - 135)			SW846 8330
	108	(74 - 135)	3.9	(0-19)	SW846 8330
2,4-Dinitrotoluene	111	(77 - 135)			SW846 8330
	108	(77 - 135)	2.5	(0-19)	SW846 8330
2-Nitrotoluene	94	(58 - 136)			SW846 8330
	99	(58 - 136)	5.2	(0-24)	SW846 8330
3-Nitrotoluene	97	(64 - 126)			SW846 8330
	99	(64 - 126)	2.0	(0-23)	SW846 8330
2-Amino-4,6-dinitrotoluene	110	(80 - 131)			SW846 8330
	107	(80 - 131)	2.7	(0-21)	SW846 8330
4-Nitrotoluene	99	(69 - 122)			SW846 8330
	101	(69 - 122)	2.3	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)
	101	(39 - 157)

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: 5415

TOTAL Metals

c-Sample #...: H8E160155-001 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	307	200	ug/L	SW846 6010A	05/28-06/12/98	CH87W104
		Dilution Factor: 1		Analysis Time..: 12:31		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH87W10P
		Dilution Factor: 1		Analysis Time..: 12:56		
Lead	6.8	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH87W10Q
		Dilution Factor: 1		Analysis Time..: 12:56		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W105
		Dilution Factor: 1		Analysis Time..: 12:31		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH87W106
		Dilution Factor: 1		Analysis Time..: 12:31		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH87W10R
		Dilution Factor: 1		Analysis Time..: 12:56		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W107
		Dilution Factor: 1		Analysis Time..: 12:31		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH87W10T
		Dilution Factor: 1		Analysis Time..: 12:56		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W108
		Dilution Factor: 1		Analysis Time..: 12:31		
Calcium	57700	5000	ug/L	SW846 6010A	05/28-06/12/98	CH87W109
		Dilution Factor: 1		Analysis Time..: 12:31		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10A
		Dilution Factor: 1		Analysis Time..: 12:31		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10C
		Dilution Factor: 1		Analysis Time..: 12:31		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10D
		Dilution Factor: 1		Analysis Time..: 12:31		
Iron	1230	100	ug/L	SW846 6010A	05/28-06/12/98	CH87W10E
		Dilution Factor: 1		Analysis Time..: 12:31		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

TOTAL Metals

ot-Sample #...: H8E160155-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	19300	5000	ug/L	SW846 6010A	05/28-06/12/98	CH87W10F
		Dilution Factor: 1		Analysis Time..: 12:31		
Manganese	130	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10G
		Dilution Factor: 1		Analysis Time..: 12:31		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10H
		Dilution Factor: 1		Analysis Time..: 12:31		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH87W10J
		Dilution Factor: 1		Analysis Time..: 12:31		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10K
		Dilution Factor: 1		Analysis Time..: 12:31		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH87W10L
		Dilution Factor: 1		Analysis Time..: 12:31		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10M
		Dilution Factor: 1		Analysis Time..: 12:31		
Zinc	49.7	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH87W10N
		Dilution Factor: 1		Analysis Time..: 12:31		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH87W10U
		Dilution Factor: 1		Analysis Time..: 13:22		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

DISSOLVED Metals

:-Sample #...: H8E160155-005 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH882101
		Dilution Factor: 1		Analysis Time..: 14:45		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88210L
		Dilution Factor: 1		Analysis Time..: 15:14		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH88210M
		Dilution Factor: 1		Analysis Time..: 15:14		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH882102
		Dilution Factor: 1		Analysis Time..: 14:45		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH882103
		Dilution Factor: 1		Analysis Time..: 14:45		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH88210N
		Dilution Factor: 1		Analysis Time..: 15:14		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH882104
		Dilution Factor: 1		Analysis Time..: 14:45		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88210P
		Dilution Factor: 1		Analysis Time..: 15:14		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH882105
		Dilution Factor: 1		Analysis Time..: 14:45		
Calcium	**92100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH882106**
		Dilution Factor: 1		Analysis Time..: 14:45		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH882107
		Dilution Factor: 1		Analysis Time..: 14:45		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH882108
		Dilution Factor: 1		Analysis Time..: 14:45		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH882109
		Dilution Factor: 1		Analysis Time..: 14:45		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH88210A
		Dilution Factor: 1		Analysis Time..: 14:45		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

DISSOLVED Metals

.t-Sample #...: H8E160155-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	41000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88210C
		Dilution Factor: 1		Analysis Time..: 14:45		
Manganese	658	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH88210D
		Dilution Factor: 1		Analysis Time..: 14:45		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88210E
		Dilution Factor: 1		Analysis Time..: 14:45		
Potassium	14400	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88210F
		Dilution Factor: 1		Analysis Time..: 14:45		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88210G
		Dilution Factor: 1		Analysis Time..: 14:45		
Sodium	139000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88210H
		Dilution Factor: 1		Analysis Time..: 14:45		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88210J
		Dilution Factor: 1		Analysis Time..: 14:45		
Zinc	44.9	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH88210K
		Dilution Factor: 1		Analysis Time..: 14:45		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88210Q
		Dilution Factor: 1		Analysis Time..: 14:24		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

TOTAL Metals

ɔt-Sample #...: H8E160155-002 Matrix.....: WATER
ɔate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH87X104
		Dilution Factor: 1		Analysis Time..: 12:51		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH87X10P
		Dilution Factor: 1		Analysis Time..: 13:18		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH87X10Q
		Dilution Factor: 1		Analysis Time..: 13:18		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X105
		Dilution Factor: 1		Analysis Time..: 12:51		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH87X106
		Dilution Factor: 1		Analysis Time..: 12:51		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH87X10R
		Dilution Factor: 1		Analysis Time..: 13:18		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X107
		Dilution Factor: 1		Analysis Time..: 12:51		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH87X10T
		Dilution Factor: 1		Analysis Time..: 13:18		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X108
		Dilution Factor: 1		Analysis Time..: 12:51		
Calcium	**64500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X109**
		Dilution Factor: 1		Analysis Time..: 12:51		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10A
		Dilution Factor: 1		Analysis Time..: 12:51		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10C
		Dilution Factor: 1		Analysis Time..: 12:51		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10D
		Dilution Factor: 1		Analysis Time..: 12:51		
Iron	**223**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10E**
		Dilution Factor: 1		Analysis Time..: 12:51		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

TOTAL Metals

t-Sample #...: H8E160155-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**24600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10F**
		Dilution Factor: 1		Analysis Time..: 12:51		
Manganese	**63.6**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10G**
		Dilution Factor: 1		Analysis Time..: 12:51		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10H
		Dilution Factor: 1		Analysis Time..: 12:51		
Potassium	**6290**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10J**
		Dilution Factor: 1		Analysis Time..: 12:51		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10K
		Dilution Factor: 1		Analysis Time..: 12:51		
Sodium	**38300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10L**
		Dilution Factor: 1		Analysis Time..: 12:51		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH87X10M
		Dilution Factor: 1		Analysis Time..: 12:51		
Zinc	**59.6**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH87X10N**
		Dilution Factor: 1		Analysis Time..: 12:51		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH87X10U
		Dilution Factor: 1		Analysis Time..: 13:35		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

DISSOLVED Metals

:-Sample #...: H8E160155-006 Matrix.....: WATER
:te Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH883101
		Dilution Factor: 1		Analysis Time..: 15:15		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88310L
		Dilution Factor: 1		Analysis Time..: 15:36		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH88310M
		Dilution Factor: 1		Analysis Time..: 15:36		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH883102
		Dilution Factor: 1		Analysis Time..: 15:15		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH883103
		Dilution Factor: 1		Analysis Time..: 15:15		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH88310N
		Dilution Factor: 1		Analysis Time..: 15:36		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH883104
		Dilution Factor: 1		Analysis Time..: 15:15		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88310P
		Dilution Factor: 1		Analysis Time..: 15:36		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH883105
		Dilution Factor: 1		Analysis Time..: 15:15		
Calcium	**83300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH883106**
		Dilution Factor: 1		Analysis Time..: 15:15		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH883107
		Dilution Factor: 1		Analysis Time..: 15:15		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH883108
		Dilution Factor: 1		Analysis Time..: 15:15		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH883109
		Dilution Factor: 1		Analysis Time..: 15:15		
Iron	**115**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310A**
		Dilution Factor: 1		Analysis Time..: 15:15		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5416

DISSOLVED Metals

Sample #...: H8E160155-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**38000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310C**
		Dilution Factor: 1		Analysis Time..: 15:15		
Manganese	**667**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310D**
		Dilution Factor: 1		Analysis Time..: 15:15		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88310E
		Dilution Factor: 1		Analysis Time..: 15:15		
Potassium	**13000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310F**
		Dilution Factor: 1		Analysis Time..: 15:15		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88310G
		Dilution Factor: 1		Analysis Time..: 15:15		
Sodium	**134000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310H**
		Dilution Factor: 1		Analysis Time..: 15:15		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88310J
		Dilution Factor: 1		Analysis Time..: 15:15		
Zinc	**32.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88310K**
		Dilution Factor: 1		Analysis Time..: 15:15		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88310Q
		Dilution Factor: 1		Analysis Time..: 14:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

TOTAL Metals

ɔt-Sample #...: H8E160155-003 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH880104
		Dilution Factor: 1		Analysis Time..: 12:56		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88010P
		Dilution Factor: 1		Analysis Time..: 13:23		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH88010Q
		Dilution Factor: 1		Analysis Time..: 13:23		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH880105
		Dilution Factor: 1		Analysis Time..: 12:56		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH880106
		Dilution Factor: 1		Analysis Time..: 12:56		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH88010R
		Dilution Factor: 1		Analysis Time..: 13:23		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH880107
		Dilution Factor: 1		Analysis Time..: 12:56		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88010T
		Dilution Factor: 1		Analysis Time..: 13:23		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH880108
		Dilution Factor: 1		Analysis Time..: 12:56		
Calcium	**109000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH880109**
		Dilution Factor: 1		Analysis Time..: 12:56		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88010A
		Dilution Factor: 1		Analysis Time..: 12:56		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88010C
		Dilution Factor: 1		Analysis Time..: 12:56		
Copper	**30.7**	**25.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010D**
		Dilution Factor: 1		Analysis Time..: 12:56		
Iron	**595**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010E**
		Dilution Factor: 1		Analysis Time..: 12:56		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

TOTAL Metals

ɔt-Sample #...: H8E160155-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**53000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010F**
		Dilution Factor: 1		Analysis Time..: 12:56		
Manganese	**754**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010G**
		Dilution Factor: 1		Analysis Time..: 12:56		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88010H
		Dilution Factor: 1		Analysis Time..: 12:56		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88010J
		Dilution Factor: 1		Analysis Time..: 12:56		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88010K
		Dilution Factor: 1		Analysis Time..: 12:56		
Sodium	**175000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010L**
		Dilution Factor: 1		Analysis Time..: 12:56		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88010M
		Dilution Factor: 1		Analysis Time..: 12:56		
Zinc	**40.2**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88010N**
		Dilution Factor: 1		Analysis Time..: 12:56		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88010U
		Dilution Factor: 1		Analysis Time..: 13:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

DISSOLVED Metals

t-Sample #...: H8E160155-007 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH884101
		Dilution Factor: 1		Analysis Time..: 15:20		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88410L
		Dilution Factor: 1		Analysis Time..: 15:58		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH88410M
		Dilution Factor: 1		Analysis Time..: 15:58		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH884102
		Dilution Factor: 1		Analysis Time..: 15:20		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH884103
		Dilution Factor: 1		Analysis Time..: 15:20		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH88410N
		Dilution Factor: 1		Analysis Time..: 15:58		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH884104
		Dilution Factor: 1		Analysis Time..: 15:20		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH88410P
		Dilution Factor: 1		Analysis Time..: 15:58		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH884105
		Dilution Factor: 1		Analysis Time..: 15:20		
Calcium	**130000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH884106**
		Dilution Factor: 1		Analysis Time..: 15:20		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH884107
		Dilution Factor: 1		Analysis Time..: 15:20		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH884108
		Dilution Factor: 1		Analysis Time..: 15:20		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH884109
		Dilution Factor: 1		Analysis Time..: 15:20		
Iron	**509**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88410A**
		Dilution Factor: 1		Analysis Time..: 15:20		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

DISSOLVED Metals

Sample #...: H8E160155-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**61900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88410C**
		Dilution Factor: 1		Analysis Time..: 15:20		
Manganese	**969**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88410D**
		Dilution Factor: 1		Analysis Time..: 15:20		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88410E
		Dilution Factor: 1		Analysis Time..: 15:20		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88410F
		Dilution Factor: 1		Analysis Time..: 15:20		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88410G
		Dilution Factor: 1		Analysis Time..: 15:20		
Sodium	**206000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88410H**
		Dilution Factor: 1		Analysis Time..: 15:20		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88410J
		Dilution Factor: 1		Analysis Time..: 15:20		
Zinc	**41.4**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH88410K**
		Dilution Factor: 1		Analysis Time..: 15:20		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88410Q
		Dilution Factor: 1		Analysis Time..: 14:39		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

TOTAL Metals

ɔt-Sample #...: H8E160155-004 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	4220	200	ug/L	SW846 6010A	05/28-06/12/98	CH881104
		Dilution Factor: 1		Analysis Time..: 13:11		
Arsenic	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH88110P
		Dilution Factor: 10		Analysis Time..: 13:40		
Lead	ND	30.0	ug/L	SW846 6010A	05/28-06/13/98	CH88110Q
		Dilution Factor: 10		Analysis Time..: 13:40		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH881105
		Dilution Factor: 1		Analysis Time..: 13:11		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH881106
		Dilution Factor: 1		Analysis Time..: 13:11		
Selenium	ND	50.0	ug/L	SW846 6010A	05/28-06/13/98	CH88110R
		Dilution Factor: 10		Analysis Time..: 13:40		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH881107
		Dilution Factor: 1		Analysis Time..: 13:11		
Thallium	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH88110T
		Dilution Factor: 10		Analysis Time..: 13:40		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH881108
		Dilution Factor: 1		Analysis Time..: 13:11		
Calcium	371000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH881109
		Dilution Factor: 1		Analysis Time..: 13:11		
Chromium	11.4	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110A
		Dilution Factor: 1		Analysis Time..: 13:11		
Cobalt	118	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110C
		Dilution Factor: 1		Analysis Time..: 13:11		
Copper	61.9	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110D
		Dilution Factor: 1		Analysis Time..: 13:11		
Iron	9390	100	ug/L	SW846 6010A	05/28-06/12/98	CH88110E
		Dilution Factor: 1		Analysis Time..: 13:11		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

TOTAL Metals

Sample #...: H8E160155-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	138000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88110F
		Dilution Factor: 1		Analysis Time..: 13:11		
Manganese	1510	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110G
		Dilution Factor: 1		Analysis Time..: 13:11		
Nickel	190	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110H
		Dilution Factor: 1		Analysis Time..: 13:11		
Potassium	20900	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88110J
		Dilution Factor: 1		Analysis Time..: 13:11		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110K
		Dilution Factor: 1		Analysis Time..: 13:11		
Sodium	914000	50000	ug/L	SW846 6010A	05/28-06/12/98	CH88110L
		Dilution Factor: 10		Analysis Time..: 13:16		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110M
		Dilution Factor: 1		Analysis Time..: 13:11		
Zinc	57.7	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH88110N
		Dilution Factor: 1		Analysis Time..: 13:11		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88110U
		Dilution Factor: 1		Analysis Time..: 13:39		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

DISSOLVED Metals

c-Sample #...: H8E160155-008 Matrix.....: WATER
ate Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH885101
		Dilution Factor: 1		Analysis Time..: 15:25		
Arsenic	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH88510L
		Dilution Factor: 10		Analysis Time..: 16:03		
Lead	ND	30.0	ug/L	SW846 6010A	05/28-06/13/98	CH88510M
		Dilution Factor: 10		Analysis Time..: 16:03		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH885102
		Dilution Factor: 1		Analysis Time..: 15:25		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH885103
		Dilution Factor: 1		Analysis Time..: 15:25		
Selenium	ND	50.0	ug/L	SW846 6010A	05/28-06/13/98	CH88510N
		Dilution Factor: 10		Analysis Time..: 16:03		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH885104
		Dilution Factor: 1		Analysis Time..: 15:25		
Thallium	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH88510P
		Dilution Factor: 10		Analysis Time..: 16:03		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH885105
		Dilution Factor: 1		Analysis Time..: 15:25		
Calcium	400000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH885106
		Dilution Factor: 1		Analysis Time..: 15:25		
Chromium	12.4	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH885107
		Dilution Factor: 1		Analysis Time..: 15:25		
Cobalt	126	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH885108
		Dilution Factor: 1		Analysis Time..: 15:25		
Copper	66.9	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH885109
		Dilution Factor: 1		Analysis Time..: 15:25		
Iron	422	100	ug/L	SW846 6010A	05/28-06/12/98	CH88510A
		Dilution Factor: 1		Analysis Time..: 15:25		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

DISSOLVED Metals

Sample #...: H8E160155-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	150000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88510C
		Dilution Factor: 1		Analysis Time..: 15:25		
Manganese	2260	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH88510D
		Dilution Factor: 1		Analysis Time..: 15:25		
Nickel	199	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH88510E
		Dilution Factor: 1		Analysis Time..: 15:25		
Potassium	22900	5000	ug/L	SW846 6010A	05/28-06/12/98	CH88510F
		Dilution Factor: 1		Analysis Time..: 15:25		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH88510G
		Dilution Factor: 1		Analysis Time..: 15:25		
Sodium	1140000	50000	ug/L	SW846 6010A	05/28-06/12/98	CH88510H
		Dilution Factor: 10		Analysis Time..: 15:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH88510J
		Dilution Factor: 1		Analysis Time..: 15:25		
Zinc	136	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH88510K
		Dilution Factor: 1		Analysis Time..: 15:25		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH88510Q
		Dilution Factor: 1		Analysis Time..: 14:42		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535

TOTAL Metals

ɔt-Sample #...: H8E180160-001 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92R10A
		Dilution Factor: 1		Analysis Time..: 13:21		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92R10W
		Dilution Factor: 1		Analysis Time..: 13:46		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH92R10X
		Dilution Factor: 1		Analysis Time..: 13:46		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10C
		Dilution Factor: 1		Analysis Time..: 13:21		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92R10D
		Dilution Factor: 1		Analysis Time..: 13:21		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH92R110
		Dilution Factor: 1		Analysis Time..: 13:46		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10E
		Dilution Factor: 1		Analysis Time..: 13:21		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92R111
		Dilution Factor: 1		Analysis Time..: 13:46		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10F
		Dilution Factor: 1		Analysis Time..: 13:21		
Calcium	**47900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10G**
		Dilution Factor: 1		Analysis Time..: 13:21		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10H
		Dilution Factor: 1		Analysis Time..: 13:21		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10J
		Dilution Factor: 1		Analysis Time..: 13:21		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10K
		Dilution Factor: 1		Analysis Time..: 13:21		
Iron	**2200**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10L**
		Dilution Factor: 1		Analysis Time..: 13:21		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535

TOTAL Metals

›t-Sample #...: H8E180160-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**16300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10M**
		Dilution Factor: 1		Analysis Time..: 13:21		
Manganese	**348**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10N**
		Dilution Factor: 1		Analysis Time..: 13:21		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10P
		Dilution Factor: 1		Analysis Time..: 13:21		
Potassium	**5560**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10Q**
		Dilution Factor: 1		Analysis Time..: 13:21		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10R
		Dilution Factor: 1		Analysis Time..: 13:21		
Sodium	**22000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10T**
		Dilution Factor: 1		Analysis Time..: 13:21		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92R10U
		Dilution Factor: 1		Analysis Time..: 13:21		
Zinc	**149**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92R10V**
		Dilution Factor: 1		Analysis Time..: 13:21		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH92R112
		Dilution Factor: 1		Analysis Time..: 13:41		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535

DISSOLVED Metals

ɔt-Sample #...: H8E180160-007 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	276	200	ug/L	SW846 6010A	05/28-06/12/98	CH931101
		Dilution Factor: 1		Analysis Time..: 15:39		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH93110L
		Dilution Factor: 1		Analysis Time..: 16:20		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH93110M
		Dilution Factor: 1		Analysis Time..: 16:20		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH931102
		Dilution Factor: 1		Analysis Time..: 15:39		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH931103
		Dilution Factor: 1		Analysis Time..: 15:39		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH93110N
		Dilution Factor: 1		Analysis Time..: 16:20		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH931104
		Dilution Factor: 1		Analysis Time..: 15:39		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH93110P
		Dilution Factor: 1		Analysis Time..: 16:20		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH931105
		Dilution Factor: 1		Analysis Time..: 15:39		
Calcium	53100	5000	ug/L	SW846 6010A	05/28-06/12/98	CH931106
		Dilution Factor: 1		Analysis Time..: 15:39		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH931107
		Dilution Factor: 1		Analysis Time..: 15:39		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH931108
		Dilution Factor: 1		Analysis Time..: 15:39		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH931109
		Dilution Factor: 1		Analysis Time..: 15:39		
Iron	1970	100	ug/L	SW846 6010A	05/28-06/12/98	CH93110A
		Dilution Factor: 1		Analysis Time..: 15:39		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5535

DISSOLVED Metals

ɔt-Sample #...: H8E180160-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	19500	5000	ug/L	SW846 6010A	05/28-06/12/98	CH93110C
		Dilution Factor: 1		Analysis Time..: 15:39		
Manganese	395	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH93110D
		Dilution Factor: 1		Analysis Time..: 15:39		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH93110E
		Dilution Factor: 1		Analysis Time..: 15:39		
Potassium	6390	5000	ug/L	SW846 6010A	05/28-06/12/98	CH93110F
		Dilution Factor: 1		Analysis Time..: 15:39		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH93110G
		Dilution Factor: 1		Analysis Time..: 15:39		
Sodium	25100	5000	ug/L	SW846 6010A	05/28-06/12/98	CH93110H
		Dilution Factor: 1		Analysis Time..: 15:39		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH93110J
		Dilution Factor: 1		Analysis Time..: 15:39		
Zinc	47.5	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH93110K
		Dilution Factor: 1		Analysis Time..: 15:39		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH93110Q
		Dilution Factor: 1		Analysis Time..: 14:46		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665

TOTAL Metals

ɔt-Sample #...: H8E180160-002 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92T10A
		Dilution Factor: 1		Analysis Time..: 13:26		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92T10W
		Dilution Factor: 1		Analysis Time..: 13:51		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH92T10X
		Dilution Factor: 1		Analysis Time..: 13:51		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10C
		Dilution Factor: 1		Analysis Time..: 13:26		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92T10D
		Dilution Factor: 1		Analysis Time..: 13:26		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH92T110
		Dilution Factor: 1		Analysis Time..: 13:51		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10E
		Dilution Factor: 1		Analysis Time..: 13:26		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92T111
		Dilution Factor: 1		Analysis Time..: 13:51		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10F
		Dilution Factor: 1		Analysis Time..: 13:26		
Calcium	**194000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92T10G**
		Dilution Factor: 1		Analysis Time..: 13:26		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10H
		Dilution Factor: 1		Analysis Time..: 13:26		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10J
		Dilution Factor: 1		Analysis Time..: 13:26		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10K
		Dilution Factor: 1		Analysis Time..: 13:26		
Iron	**2080**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92T10L**
		Dilution Factor: 1		Analysis Time..: 13:26		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665

TOTAL Metals

Client-Sample #...: H8E180160-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	12700	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92T10M
		Dilution Factor: 1		Analysis Time..: 13:26		
Manganese	3830	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10N
		Dilution Factor: 1		Analysis Time..: 13:26		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10P
		Dilution Factor: 1		Analysis Time..: 13:26		
Potassium	9830	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92T10Q
		Dilution Factor: 1		Analysis Time..: 13:26		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10R
		Dilution Factor: 1		Analysis Time..: 13:26		
Sodium	9450	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92T10T
		Dilution Factor: 1		Analysis Time..: 13:26		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10U
		Dilution Factor: 1		Analysis Time..: 13:26		
Zinc	66.7	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH92T10V
		Dilution Factor: 1		Analysis Time..: 13:26		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH92T112
		Dilution Factor: 1		Analysis Time..: 13:44		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665

DISSOLVED Metals

ɔt-Sample #...: H8E180160-008 Matrix.....: WATER
ɔate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH932101
		Dilution Factor: 1		Analysis Time..: 17:03		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH93210L
		Dilution Factor: 1		Analysis Time..: 16:25		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH93210M
		Dilution Factor: 1		Analysis Time..: 16:25		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH932102
		Dilution Factor: 1		Analysis Time..: 17:03		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH932103
		Dilution Factor: 1		Analysis Time..: 17:03		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH93210N
		Dilution Factor: 1		Analysis Time..: 16:25		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH932104
		Dilution Factor: 1		Analysis Time..: 17:03		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH93210P
		Dilution Factor: 1		Analysis Time..: 16:25		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH932105
		Dilution Factor: 1		Analysis Time..: 17:03		
Calcium	213000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH932106
		Dilution Factor: 1		Analysis Time..: 17:03		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH932107
		Dilution Factor: 1		Analysis Time..: 17:03		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH932108
		Dilution Factor: 1		Analysis Time..: 17:03		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH932109
		Dilution Factor: 1		Analysis Time..: 17:03		
Iron	684	100	ug/L	SW846 6010A	05/28-06/12/98	CH93210A
		Dilution Factor: 1		Analysis Time..: 17:03		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665

DISSOLVED Metals

ot-Sample #...: H8E180160-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**14100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93210C**
		Dilution Factor: 1		Analysis Time..: 17:03		
Manganese	**3970**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93210D**
		Dilution Factor: 1		Analysis Time..: 17:03		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH93210E
		Dilution Factor: 1		Analysis Time..: 17:03		
Potassium	**12200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93210F**
		Dilution Factor: 1		Analysis Time..: 17:03		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH93210G
		Dilution Factor: 1		Analysis Time..: 17:03		
Sodium	**15400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93210H**
		Dilution Factor: 1		Analysis Time..: 17:03		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH93210J
		Dilution Factor: 1		Analysis Time..: 17:03		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH93210K
		Dilution Factor: 1		Analysis Time..: 17:03		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH93210Q
		Dilution Factor: 1		Analysis Time..: 14:49		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905

TOTAL Metals

ɔt-Sample #...: H8E180160-003 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92V10A
		Dilution Factor: 1		Analysis Time..: 13:30		
Arsenic	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH92V10W
		Dilution Factor: 10		Analysis Time..: 13:57		
Lead	ND	30.0	ug/L	SW846 6010A	05/28-06/13/98	CH92V10X
		Dilution Factor: 10		Analysis Time..: 13:57		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10C
		Dilution Factor: 1		Analysis Time..: 13:30		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92V10D
		Dilution Factor: 1		Analysis Time..: 13:30		
Selenium	ND	50.0	ug/L	SW846 6010A	05/28-06/13/98	CH92V110
		Dilution Factor: 10		Analysis Time..: 13:57		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10E
		Dilution Factor: 1		Analysis Time..: 13:30		
Thallium	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH92V111
		Dilution Factor: 10		Analysis Time..: 13:57		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10F
		Dilution Factor: 1		Analysis Time..: 13:30		
Calcium	99000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92V10G
		Dilution Factor: 1		Analysis Time..: 13:30		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10H
		Dilution Factor: 1		Analysis Time..: 13:30		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10J
		Dilution Factor: 1		Analysis Time..: 13:30		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10K
		Dilution Factor: 1		Analysis Time..: 13:30		
Iron	427	100	ug/L	SW846 6010A	05/28-06/12/98	CH92V10L
		Dilution Factor: 1		Analysis Time..: 13:30		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905

TOTAL Metals

Lot-Sample #...: H8E180160-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	59700	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92V10M
		Dilution Factor: 1		Analysis Time..: 13:30		
Manganese	32.0	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10N
		Dilution Factor: 1		Analysis Time..: 13:30		
Nickel	45.5	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10P
		Dilution Factor: 1		Analysis Time..: 13:30		
Potassium	49000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92V10Q
		Dilution Factor: 1		Analysis Time..: 13:30		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10R
		Dilution Factor: 1		Analysis Time..: 13:30		
Sodium	269000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH92V10T
		Dilution Factor: 1		Analysis Time..: 13:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10U
		Dilution Factor: 1		Analysis Time..: 13:30		
Zinc	42.2	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH92V10V
		Dilution Factor: 1		Analysis Time..: 13:30		
Prep Batch #...: 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH92V112
		Dilution Factor: 1		Analysis Time..: 13:46		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905

DISSOLVED Metals

st-Sample #...: H8E180160-009 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH933101
		Dilution Factor: 1		Analysis Time..: 15:44		
Arsenic	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH93310L
		Dilution Factor: 10		Analysis Time..: 16:14		
Lead	ND	30.0	ug/L	SW846 6010A	05/28-06/13/98	CH93310M
		Dilution Factor: 10		Analysis Time..: 16:14		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH933102
		Dilution Factor: 1		Analysis Time..: 15:44		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH933103
		Dilution Factor: 1		Analysis Time..: 15:44		
Selenium	ND	50.0	ug/L	SW846 6010A	05/28-06/13/98	CH93310N
		Dilution Factor: 10		Analysis Time..: 16:14		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH933104
		Dilution Factor: 1		Analysis Time..: 15:44		
Thallium	ND	100	ug/L	SW846 6010A	05/28-06/13/98	CH93310P
		Dilution Factor: 10		Analysis Time..: 16:14		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH933105
		Dilution Factor: 1		Analysis Time..: 15:44		
Calcium	149000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH933106
		Dilution Factor: 1		Analysis Time..: 15:44		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH933107
		Dilution Factor: 1		Analysis Time..: 15:44		
Cobalt	65.4	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH933108
		Dilution Factor: 1		Analysis Time..: 15:44		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH933109
		Dilution Factor: 1		Analysis Time..: 15:44		
Iron	269	100	ug/L	SW846 6010A	05/28-06/12/98	CH93310A
		Dilution Factor: 1		Analysis Time..: 15:44		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5905

DISSOLVED Metals

ot-Sample #...: H8E180160-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**99900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310C**
		Dilution Factor: 1		Analysis Time..: 15:44		
Manganese	**32.6**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310D**
		Dilution Factor: 1		Analysis Time..: 15:44		
Nickel	**71.3**	**40.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310E**
		Dilution Factor: 1		Analysis Time..: 15:44		
Potassium	**32400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310F**
		Dilution Factor: 1		Analysis Time..: 15:44		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH93310G
		Dilution Factor: 1		Analysis Time..: 15:44		
Sodium	**365000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310H**
		Dilution Factor: 1		Analysis Time..: 15:44		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH93310J
		Dilution Factor: 1		Analysis Time..: 15:44		
Zinc	**53.9**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH93310K**
		Dilution Factor: 1		Analysis Time..: 15:44		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH93310Q
		Dilution Factor: 1		Analysis Time..: 14:51		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

TOTAL Metals

ɔt-Sample #...: H8E180160-004 Matrix.....: WATER
ate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92W104
		Dilution Factor: 1		Analysis Time..: 13:40		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92W10P
		Dilution Factor: 1		Analysis Time..: 14:02		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH92W10Q
		Dilution Factor: 1		Analysis Time..: 14:02		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W105
		Dilution Factor: 1		Analysis Time..: 13:40		
Barium	**1800**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W106**
		Dilution Factor: 1		Analysis Time..: 13:40		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH92W10R
		Dilution Factor: 1		Analysis Time..: 14:02		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W107
		Dilution Factor: 1		Analysis Time..: 13:40		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92W10T
		Dilution Factor: 1		Analysis Time..: 14:02		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W108
		Dilution Factor: 1		Analysis Time..: 13:40		
Calcium	**171000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W109**
		Dilution Factor: 1		Analysis Time..: 13:40		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10A
		Dilution Factor: 1		Analysis Time..: 13:40		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10C
		Dilution Factor: 1		Analysis Time..: 13:40		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10D
		Dilution Factor: 1		Analysis Time..: 13:40		
Iron	**141**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W10E**
		Dilution Factor: 1		Analysis Time..: 13:40		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

TOTAL Metals

Lot-Sample #...: H8E180160-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**80000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W10F**
		Dilution Factor: 1		Analysis Time..: 13:40		
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10G
		Dilution Factor: 1		Analysis Time..: 13:40		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10H
		Dilution Factor: 1		Analysis Time..: 13:40		
Potassium	**26000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W10J**
		Dilution Factor: 1		Analysis Time..: 13:40		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10K
		Dilution Factor: 1		Analysis Time..: 13:40		
Sodium	**129000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W10L**
		Dilution Factor: 1		Analysis Time..: 13:40		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92W10M
		Dilution Factor: 1		Analysis Time..: 13:40		
Zinc	**29.5**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92W10N**
		Dilution Factor: 1		Analysis Time..: 13:40		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH92W10U
		Dilution Factor: 1		Analysis Time..: 13:48		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

DISSOLVED Metals

ɔt-Sample #...: H8E180160-005 Matrix.....: WATER
ɹate Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH92X101
		Dilution Factor: 1		Analysis Time..: 15:34		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92X10L
		Dilution Factor: 1		Analysis Time..: 16:09		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH92X10M
		Dilution Factor: 1		Analysis Time..: 16:09		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X102
		Dilution Factor: 1		Analysis Time..: 15:34		
Barium	**1740**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X103**
		Dilution Factor: 1		Analysis Time..: 15:34		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH92X10N
		Dilution Factor: 1		Analysis Time..: 16:09		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X104
		Dilution Factor: 1		Analysis Time..: 15:34		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH92X10P
		Dilution Factor: 1		Analysis Time..: 16:09		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X105
		Dilution Factor: 1		Analysis Time..: 15:34		
Calcium	**162000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X106**
		Dilution Factor: 1		Analysis Time..: 15:34		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X107
		Dilution Factor: 1		Analysis Time..: 15:34		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X108
		Dilution Factor: 1		Analysis Time..: 15:34		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X109
		Dilution Factor: 1		Analysis Time..: 15:34		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH92X10A
		Dilution Factor: 1		Analysis Time..: 15:34		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

DISSOLVED Metals

Lot-Sample #...: H8E180160-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**77900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X10C**
		Dilution Factor: 1		Analysis Time..: 15:34		
Manganese	**16.3**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X10D**
		Dilution Factor: 1		Analysis Time..: 15:34		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X10E
		Dilution Factor: 1		Analysis Time..: 15:34		
Potassium	**24800**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X10F**
		Dilution Factor: 1		Analysis Time..: 15:34		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X10G
		Dilution Factor: 1		Analysis Time..: 15:34		
Sodium	**127000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X10H**
		Dilution Factor: 1		Analysis Time..: 15:34		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH92X10J
		Dilution Factor: 1		Analysis Time..: 15:34		
Zinc	**24.4**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH92X10K**
		Dilution Factor: 1		Analysis Time..: 15:34		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH92X10Q
		Dilution Factor: 1		Analysis Time..: 14:44		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

TOTAL Metals

Lot-Sample #...: H8E190177-001 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WD104
		Dilution Factor: 1		Analysis Time..: 13:45		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WD10P
		Dilution Factor: 1		Analysis Time..: 14:08		
Lead	**7.1**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/13/98**	**CH9WD10Q**
		Dilution Factor: 1		Analysis Time..: 14:08		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD105
		Dilution Factor: 1		Analysis Time..: 13:45		
Barium	**406**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD106**
		Dilution Factor: 1		Analysis Time..: 13:45		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WD10R
		Dilution Factor: 1		Analysis Time..: 14:08		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD107
		Dilution Factor: 1		Analysis Time..: 13:45		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WD10T
		Dilution Factor: 1		Analysis Time..: 14:08		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD108
		Dilution Factor: 1		Analysis Time..: 13:45		
Calcium	**92600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD109**
		Dilution Factor: 1		Analysis Time..: 13:45		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10A
		Dilution Factor: 1		Analysis Time..: 13:45		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10C
		Dilution Factor: 1		Analysis Time..: 13:45		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10D
		Dilution Factor: 1		Analysis Time..: 13:45		
Iron	**168**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10E**
		Dilution Factor: 1		Analysis Time..: 13:45		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

TOTAL Metals

Lot-Sample #...: H8E190177-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**37400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10F**
		Dilution Factor: 1		Analysis Time..: 13:45		
Manganese	**36.6**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10G**
		Dilution Factor: 1		Analysis Time..: 13:45		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10H
		Dilution Factor: 1		Analysis Time..: 13:45		
Potassium	**8190**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10J**
		Dilution Factor: 1		Analysis Time..: 13:45		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10K
		Dilution Factor: 1		Analysis Time..: 13:45		
Sodium	**109000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10L**
		Dilution Factor: 1		Analysis Time..: 13:45		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WD10M
		Dilution Factor: 1		Analysis Time..: 13:45		
Zinc	**39.6**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WD10N**
		Dilution Factor: 1		Analysis Time..: 13:45		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WD10U
		Dilution Factor: 1		Analysis Time..: 13:51		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

DISSOLVED Metals

Lot-Sample #...: H8E190177-012 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ101
		Dilution Factor: 1		Analysis Time..: 15:50		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WQ10L
		Dilution Factor: 1		Analysis Time..: 16:31		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WQ10M
		Dilution Factor: 1		Analysis Time..: 16:31		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ102
		Dilution Factor: 1		Analysis Time..: 15:50		
Barium	414	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ103
		Dilution Factor: 1		Analysis Time..: 15:50		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WQ10N
		Dilution Factor: 1		Analysis Time..: 16:31		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ104
		Dilution Factor: 1		Analysis Time..: 15:50		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WQ10P
		Dilution Factor: 1		Analysis Time..: 16:31		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ105
		Dilution Factor: 1		Analysis Time..: 15:50		
Calcium	96800	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ106
		Dilution Factor: 1		Analysis Time..: 15:50		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ107
		Dilution Factor: 1		Analysis Time..: 15:50		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ108
		Dilution Factor: 1		Analysis Time..: 15:50		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ109
		Dilution Factor: 1		Analysis Time..: 15:50		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10A
		Dilution Factor: 1		Analysis Time..: 15:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

DISSOLVED Metals

Lot-Sample #...: H8E190177-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	38600	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10C
		Dilution Factor: 1		Analysis Time..: 15:50		
Manganese	36.5	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10D
		Dilution Factor: 1		Analysis Time..: 15:50		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10E
		Dilution Factor: 1		Analysis Time..: 15:50		
Potassium	7990	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10F
		Dilution Factor: 1		Analysis Time..: 15:50		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10G
		Dilution Factor: 1		Analysis Time..: 15:50		
Sodium	112000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10H
		Dilution Factor: 1		Analysis Time..: 15:50		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10J
		Dilution Factor: 1		Analysis Time..: 15:50		
Zinc	40.4	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WQ10K
		Dilution Factor: 1		Analysis Time..: 15:50		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WQ10Q
		Dilution Factor: 1		Analysis Time..: 14:53		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

TOTAL Metals

Lot-Sample #...: H8E190177-002 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	6030	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WE104
		Dilution Factor: 1		Analysis Time..: 13:50		
Arsenic	18.6	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WE10P
		Dilution Factor: 1		Analysis Time..: 14:13		
Lead	13.8	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WE10Q
		Dilution Factor: 1		Analysis Time..: 14:13		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE105
		Dilution Factor: 1		Analysis Time..: 13:50		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WE106
		Dilution Factor: 1		Analysis Time..: 13:50		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WE10R
		Dilution Factor: 1		Analysis Time..: 14:13		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE107
		Dilution Factor: 1		Analysis Time..: 13:50		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WE10T
		Dilution Factor: 1		Analysis Time..: 14:13		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE108
		Dilution Factor: 1		Analysis Time..: 13:50		
Calcium	341000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WE109
		Dilution Factor: 1		Analysis Time..: 13:50		
Chromium	30.0	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10A
		Dilution Factor: 1		Analysis Time..: 13:50		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10C
		Dilution Factor: 1		Analysis Time..: 13:50		
Copper	31.5	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10D
		Dilution Factor: 1		Analysis Time..: 13:50		
Iron	23500	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10E
		Dilution Factor: 1		Analysis Time..: 13:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

TOTAL Metals

Lot-Sample #...: H8E190177-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**137000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WE10F**
		Dilution Factor: 1		Analysis Time..: 13:50		
Manganese	**973**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WE10G**
		Dilution Factor: 1		Analysis Time..: 13:50		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10H
		Dilution Factor: 1		Analysis Time..: 13:50		
Potassium	**10100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WE10J**
		Dilution Factor: 1		Analysis Time..: 13:50		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10K
		Dilution Factor: 1		Analysis Time..: 13:50		
Sodium	**58900**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WE10L**
		Dilution Factor: 1		Analysis Time..: 13:50		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WE10M
		Dilution Factor: 1		Analysis Time..: 13:50		
Zinc	**80.8**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WE10N**
		Dilution Factor: 1		Analysis Time..: 13:50		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WE10U
		Dilution Factor: 1		Analysis Time..: 13:53		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

DISSOLVED Metals

Lot-Sample #...: H8E190177-013 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WR101
		Dilution Factor: 1		Analysis Time..: 16:18		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WR10L
		Dilution Factor: 1		Analysis Time..: 16:37		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WR10M
		Dilution Factor: 1		Analysis Time..: 16:37		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR102
		Dilution Factor: 1		Analysis Time..: 16:18		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WR103
		Dilution Factor: 1		Analysis Time..: 16:18		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WR10N
		Dilution Factor: 1		Analysis Time..: 16:37		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR104
		Dilution Factor: 1		Analysis Time..: 16:18		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WR10P
		Dilution Factor: 1		Analysis Time..: 16:37		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR105
		Dilution Factor: 1		Analysis Time..: 16:18		
Calcium	**402000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR106**
		Dilution Factor: 1		Analysis Time..: 16:18		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR107
		Dilution Factor: 1		Analysis Time..: 16:18		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR108
		Dilution Factor: 1		Analysis Time..: 16:18		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR109
		Dilution Factor: 1		Analysis Time..: 16:18		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WR10A
		Dilution Factor: 1		Analysis Time..: 16:18		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

DISSOLVED Metals

Lot-Sample #...: H8E190177-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**171000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR10C**
		Dilution Factor: 1		Analysis Time..: 16:18		
Manganese	**617**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR10D**
		Dilution Factor: 1		Analysis Time..: 16:18		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR10E
		Dilution Factor: 1		Analysis Time..: 16:18		
Potassium	**12000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR10F**
		Dilution Factor: 1		Analysis Time..: 16:18		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR10G
		Dilution Factor: 1		Analysis Time..: 16:18		
Sodium	**74000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR10H**
		Dilution Factor: 1		Analysis Time..: 16:18		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WR10J
		Dilution Factor: 1		Analysis Time..: 16:18		
Zinc	**45.5**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WR10K**
		Dilution Factor: 1		Analysis Time..: 16:18		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WR10Q
		Dilution Factor: 1		Analysis Time..: 15:01		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

TOTAL Metals

Lot-Sample #...: H8E190177-003 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	5230	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WF104
		Dilution Factor: 1		Analysis Time..: 13:55		
Arsenic	21.3	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WF10P
		Dilution Factor: 1		Analysis Time..: 14:19		
Lead	20.1	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WF10Q
		Dilution Factor: 1		Analysis Time..: 14:19		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF105
		Dilution Factor: 1		Analysis Time..: 13:55		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WF106
		Dilution Factor: 1		Analysis Time..: 13:55		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WF10R
		Dilution Factor: 1		Analysis Time..: 14:19		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF107
		Dilution Factor: 1		Analysis Time..: 13:55		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WF10T
		Dilution Factor: 1		Analysis Time..: 14:19		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF108
		Dilution Factor: 1		Analysis Time..: 13:55		
Calcium	132000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WF109
		Dilution Factor: 1		Analysis Time..: 13:55		
Chromium	28.0	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10A
		Dilution Factor: 1		Analysis Time..: 13:55		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10C
		Dilution Factor: 1		Analysis Time..: 13:55		
Copper	31.0	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10D
		Dilution Factor: 1		Analysis Time..: 13:55		
Iron	22700	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10E
		Dilution Factor: 1		Analysis Time..: 13:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

TOTAL Metals

Lot-Sample #...: H8E190177-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**46400**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WF10F**
		Dilution Factor: 1		Analysis Time..: 13:55		
Manganese	**616**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WF10G**
		Dilution Factor: 1		Analysis Time..: 13:55		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10H
		Dilution Factor: 1		Analysis Time..: 13:55		
Potassium	**11700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WF10J**
		Dilution Factor: 1		Analysis Time..: 13:55		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10K
		Dilution Factor: 1		Analysis Time..: 13:55		
Sodium	**113000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WF10L**
		Dilution Factor: 1		Analysis Time..: 13:55		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WF10M
		Dilution Factor: 1		Analysis Time..: 13:55		
Zinc	**56.3**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WF10N**
		Dilution Factor: 1		Analysis Time..: 13:55		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WF10U
		Dilution Factor: 1		Analysis Time..: 13:55		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

DISSOLVED Metals

Lot-Sample #...: H8E190177-014 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WT101
		Dilution Factor: 1		Analysis Time..: 16:23		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WT10L
		Dilution Factor: 1		Analysis Time..: 17:04		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WT10M
		Dilution Factor: 1		Analysis Time..: 17:04		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT102
		Dilution Factor: 1		Analysis Time..: 16:23		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WT103
		Dilution Factor: 1		Analysis Time..: 16:23		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WT10N
		Dilution Factor: 1		Analysis Time..: 17:04		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT104
		Dilution Factor: 1		Analysis Time..: 16:23		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WT10P
		Dilution Factor: 1		Analysis Time..: 17:04		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT105
		Dilution Factor: 1		Analysis Time..: 16:23		
Calcium	130000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WT106
		Dilution Factor: 1		Analysis Time..: 16:23		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT107
		Dilution Factor: 1		Analysis Time..: 16:23		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT108
		Dilution Factor: 1		Analysis Time..: 16:23		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT109
		Dilution Factor: 1		Analysis Time..: 16:23		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WT10A
		Dilution Factor: 1		Analysis Time..: 16:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

DISSOLVED Metals

Lot-Sample #...: H8E190177-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**47700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WT10C**
		Dilution Factor: 1		Analysis Time..: 16:23		
Manganese	**452**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WT10D**
		Dilution Factor: 1		Analysis Time..: 16:23		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT10E
		Dilution Factor: 1		Analysis Time..: 16:23		
Potassium	**12300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WT10F**
		Dilution Factor: 1		Analysis Time..: 16:23		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT10G
		Dilution Factor: 1		Analysis Time..: 16:23		
Sodium	**127000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WT10H**
		Dilution Factor: 1		Analysis Time..: 16:23		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WT10J
		Dilution Factor: 1		Analysis Time..: 16:23		
Zinc	**27.0**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WT10K**
		Dilution Factor: 1		Analysis Time..: 16:23		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WT10Q
		Dilution Factor: 1		Analysis Time..: 15:03		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

TOTAL Metals

Lot-Sample #...: H8E190177-004 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WG104
		Dilution Factor: 1		Analysis Time..: 14:10		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WG10P
		Dilution Factor: 1		Analysis Time..: 14:24		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WG10Q
		Dilution Factor: 1		Analysis Time..: 14:24		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG105
		Dilution Factor: 1		Analysis Time..: 14:10		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WG106
		Dilution Factor: 1		Analysis Time..: 14:10		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WG10R
		Dilution Factor: 1		Analysis Time..: 14:24		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG107
		Dilution Factor: 1		Analysis Time..: 14:10		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WG10T
		Dilution Factor: 1		Analysis Time..: 14:24		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG108
		Dilution Factor: 1		Analysis Time..: 14:10		
Calcium	**166000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG109**
		Dilution Factor: 1		Analysis Time..: 14:10		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10A
		Dilution Factor: 1		Analysis Time..: 14:10		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10C
		Dilution Factor: 1		Analysis Time..: 14:10		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10D
		Dilution Factor: 1		Analysis Time..: 14:10		
Iron	**319**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG10E**
		Dilution Factor: 1		Analysis Time..: 14:10		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

TOTAL Metals

Lot-Sample #...: H8E190177-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**52500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG10F**
		Dilution Factor: 1		Analysis Time..: 14:10		
Manganese	**303**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG10G**
		Dilution Factor: 1		Analysis Time..: 14:10		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10H
		Dilution Factor: 1		Analysis Time..: 14:10		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10J
		Dilution Factor: 1		Analysis Time..: 14:10		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10K
		Dilution Factor: 1		Analysis Time..: 14:10		
Sodium	**12100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG10L**
		Dilution Factor: 1		Analysis Time..: 14:10		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WG10M
		Dilution Factor: 1		Analysis Time..: 14:10		
Zinc	**21.3**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WG10N**
		Dilution Factor: 1		Analysis Time..: 14:10		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WG10U
		Dilution Factor: 1		Analysis Time..: 14:03		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

DISSOLVED Metals

Lot-Sample #...: H8E190177-015 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WV101
		Dilution Factor: 1		Analysis Time..: 16:28		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WV10L
		Dilution Factor: 1		Analysis Time..: 17:10		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WV10M
		Dilution Factor: 1		Analysis Time..: 17:10		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV102
		Dilution Factor: 1		Analysis Time..: 16:28		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WV103
		Dilution Factor: 1		Analysis Time..: 16:28		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WV10N
		Dilution Factor: 1		Analysis Time..: 17:10		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV104
		Dilution Factor: 1		Analysis Time..: 16:28		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WV10P
		Dilution Factor: 1		Analysis Time..: 17:10		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV105
		Dilution Factor: 1		Analysis Time..: 16:28		
Calcium	**168000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WV106**
		Dilution Factor: 1		Analysis Time..: 16:28		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV107
		Dilution Factor: 1		Analysis Time..: 16:28		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV108
		Dilution Factor: 1		Analysis Time..: 16:28		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV109
		Dilution Factor: 1		Analysis Time..: 16:28		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10A
		Dilution Factor: 1		Analysis Time..: 16:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

DISSOLVED Metals

Lot-Sample #...: H8E190177-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**55100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WV10C**
		Dilution Factor: 1		Analysis Time..: 16:28		
Manganese	253	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10D
		Dilution Factor: 1		Analysis Time..: 16:28		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10E
		Dilution Factor: 1		Analysis Time..: 16:28		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10F
		Dilution Factor: 1		Analysis Time..: 16:28		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10G
		Dilution Factor: 1		Analysis Time..: 16:28		
Sodium	**13500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WV10H**
		Dilution Factor: 1		Analysis Time..: 16:28		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WV10J
		Dilution Factor: 1		Analysis Time..: 16:28		
Zinc	39.9	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WV10K**
		Dilution Factor: 1		Analysis Time..: 16:28		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WV10Q
		Dilution Factor: 1		Analysis Time..: 15:06		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

TOTAL Metals

Lot-Sample #...: H8E190177-005 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	**1180**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WH104**
		Dilution Factor: 1		Analysis Time..: 14:15		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WH10P
		Dilution Factor: 1		Analysis Time..: 14:30		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WH10Q
		Dilution Factor: 1		Analysis Time..: 14:30		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH105
		Dilution Factor: 1		Analysis Time..: 14:15		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WH106
		Dilution Factor: 1		Analysis Time..: 14:15		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WH10R
		Dilution Factor: 1		Analysis Time..: 14:30		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH107
		Dilution Factor: 1		Analysis Time..: 14:15		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WH10T
		Dilution Factor: 1		Analysis Time..: 14:30		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH108
		Dilution Factor: 1		Analysis Time..: 14:15		
Calcium	**133000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WH109**
		Dilution Factor: 1		Analysis Time..: 14:15		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10A
		Dilution Factor: 1		Analysis Time..: 14:15		
Cobalt	**69.8**	**50.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WH10C**
		Dilution Factor: 1		Analysis Time..: 14:15		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10D
		Dilution Factor: 1		Analysis Time..: 14:15		
Iron	**20700**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WH10E**
		Dilution Factor: 1		Analysis Time..: 14:15		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

TOTAL Metals

Lot-Sample #...: H8E190177-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	52700	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10F
		Dilution Factor: 1		Analysis Time..: 14:15		
Manganese	13600	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10G
		Dilution Factor: 1		Analysis Time..: 14:15		
Nickel	108	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10H
		Dilution Factor: 1		Analysis Time..: 14:15		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10J
		Dilution Factor: 1		Analysis Time..: 14:15		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10K
		Dilution Factor: 1		Analysis Time..: 14:15		
Sodium	10500	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10L
		Dilution Factor: 1		Analysis Time..: 14:15		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10M
		Dilution Factor: 1		Analysis Time..: 14:15		
Zinc	209	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WH10N
		Dilution Factor: 1		Analysis Time..: 14:15		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WH10U
		Dilution Factor: 1		Analysis Time..: 14:05		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

DISSOLVED Metals

Lot-Sample #...: H8E190177-016 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	663	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WW101
		Dilution Factor: 1		Analysis Time..: 16:33		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WW10L
		Dilution Factor: 1		Analysis Time..: 17:15		
Lead	7.4	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WW10M
		Dilution Factor: 1		Analysis Time..: 17:15		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW102
		Dilution Factor: 1		Analysis Time..: 16:33		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WW103
		Dilution Factor: 1		Analysis Time..: 16:33		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WW10N
		Dilution Factor: 1		Analysis Time..: 17:15		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW104
		Dilution Factor: 1		Analysis Time..: 16:33		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WW10P
		Dilution Factor: 1		Analysis Time..: 17:15		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW105
		Dilution Factor: 1		Analysis Time..: 16:33		
Calcium	127000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WW106
		Dilution Factor: 1		Analysis Time..: 16:33		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW107
		Dilution Factor: 1		Analysis Time..: 16:33		
Cobalt	51.9	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW108
		Dilution Factor: 1		Analysis Time..: 16:33		
Copper	39.2	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW109
		Dilution Factor: 1		Analysis Time..: 16:33		
Iron	5970	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10A
		Dilution Factor: 1		Analysis Time..: 16:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

DISSOLVED Metals

Lot-Sample #...: H8E190177-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	47900	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10C
		Dilution Factor: 1		Analysis Time..: 16:33		
Manganese	8850	15.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10D
		Dilution Factor: 1		Analysis Time..: 16:33		
Nickel	81.7	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10E
		Dilution Factor: 1		Analysis Time..: 16:33		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10F
		Dilution Factor: 1		Analysis Time..: 16:33		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10G
		Dilution Factor: 1		Analysis Time..: 16:33		
Sodium	9070	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10H
		Dilution Factor: 1		Analysis Time..: 16:33		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10J
		Dilution Factor: 1		Analysis Time..: 16:33		
Zinc	141	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WW10K
		Dilution Factor: 1		Analysis Time..: 16:33		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WW10Q
		Dilution Factor: 1		Analysis Time..: 15:08		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

TOTAL Metals

Lot-Sample #...: H8E190177-006 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	**6200**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ104**
		Dilution Factor: 1		Analysis Time..: 14:20		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WJ10P
		Dilution Factor: 1		Analysis Time..: 14:46		
Lead	**4.3**	**3.0**	**ug/L**	**SW846 6010A**	**05/28-06/13/98**	**CH9WJ10Q**
		Dilution Factor: 1		Analysis Time..: 14:46		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ105
		Dilution Factor: 1		Analysis Time..: 14:20		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ106
		Dilution Factor: 1		Analysis Time..: 14:20		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WJ10R
		Dilution Factor: 1		Analysis Time..: 14:46		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ107
		Dilution Factor: 1		Analysis Time..: 14:20		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WJ10T
		Dilution Factor: 1		Analysis Time..: 14:46		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ108
		Dilution Factor: 1		Analysis Time..: 14:20		
Calcium	**112000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ109**
		Dilution Factor: 1		Analysis Time..: 14:20		
Chromium	**13.7**	**10.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10A**
		Dilution Factor: 1		Analysis Time..: 14:20		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10C
		Dilution Factor: 1		Analysis Time..: 14:20		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10D
		Dilution Factor: 1		Analysis Time..: 14:20		
Iron	**10900**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10E**
		Dilution Factor: 1		Analysis Time..: 14:20		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

TOTAL Metals

Lot-Sample #...: H8E190177-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**16200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10F**
		Dilution Factor: 1		Analysis Time..: 14:20		
Manganese	**142**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10G**
		Dilution Factor: 1		Analysis Time..: 14:20		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10H
		Dilution Factor: 1		Analysis Time..: 14:20		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10J
		Dilution Factor: 1		Analysis Time..: 14:20		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10K
		Dilution Factor: 1		Analysis Time..: 14:20		
Sodium	**5720**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10L**
		Dilution Factor: 1		Analysis Time..: 14:20		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WJ10M
		Dilution Factor: 1		Analysis Time..: 14:20		
Zinc	**36.2**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WJ10N**
		Dilution Factor: 1		Analysis Time..: 14:20		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WJ10U
		Dilution Factor: 1		Analysis Time..: 14:07		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

DISSOLVED Metals

Lot-Sample #...: H8E190177-017 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WX101
		Dilution Factor: 1		Analysis Time..: 16:38		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WX10L
		Dilution Factor: 1		Analysis Time..: 17:21		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WX10M
		Dilution Factor: 1		Analysis Time..: 17:21		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX102
		Dilution Factor: 1		Analysis Time..: 16:38		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WX103
		Dilution Factor: 1		Analysis Time..: 16:38		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WX10N
		Dilution Factor: 1		Analysis Time..: 17:21		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX104
		Dilution Factor: 1		Analysis Time..: 16:38		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WX10P
		Dilution Factor: 1		Analysis Time..: 17:21		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX105
		Dilution Factor: 1		Analysis Time..: 16:38		
Calcium	**114000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WX106**
		Dilution Factor: 1		Analysis Time..: 16:38		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX107
		Dilution Factor: 1		Analysis Time..: 16:38		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX108
		Dilution Factor: 1		Analysis Time..: 16:38		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX109
		Dilution Factor: 1		Analysis Time..: 16:38		
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10A
		Dilution Factor: 1		Analysis Time..: 16:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

DISSOLVED Metals

Lot-Sample #...: H8E190177-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**17700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WX10C**
		Dilution Factor: 1		Analysis Time..: 16:38		
Manganese	**114**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WX10D**
		Dilution Factor: 1		Analysis Time..: 16:38		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10E
		Dilution Factor: 1		Analysis Time..: 16:38		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10F
		Dilution Factor: 1		Analysis Time..: 16:38		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10G
		Dilution Factor: 1		Analysis Time..: 16:38		
Sodium	**10100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WX10H**
		Dilution Factor: 1		Analysis Time..: 16:38		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10J
		Dilution Factor: 1		Analysis Time..: 16:38		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WX10K
		Dilution Factor: 1		Analysis Time..: 16:38		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WX10Q
		Dilution Factor: 1		Analysis Time..: 15:11		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

TOTAL Metals

Lot-Sample #...: H8E190177-007 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	4080	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WK104
		Dilution Factor: 1		Analysis Time..: 14:25		
Arsenic	13.0	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WK10P
		Dilution Factor: 1		Analysis Time..: 14:52		
Lead	6.6	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WK10Q
		Dilution Factor: 1		Analysis Time..: 14:52		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK105
		Dilution Factor: 1		Analysis Time..: 14:25		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WK106
		Dilution Factor: 1		Analysis Time..: 14:25		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WK10R
		Dilution Factor: 1		Analysis Time..: 14:52		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK107
		Dilution Factor: 1		Analysis Time..: 14:25		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WK10T
		Dilution Factor: 1		Analysis Time..: 14:52		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK108
		Dilution Factor: 1		Analysis Time..: 14:25		
Calcium	55900	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WK109
		Dilution Factor: 1		Analysis Time..: 14:25		
Chromium	14.6	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10A
		Dilution Factor: 1		Analysis Time..: 14:25		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10C
		Dilution Factor: 1		Analysis Time..: 14:25		
Copper	27.6	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10D
		Dilution Factor: 1		Analysis Time..: 14:25		
Iron	20300	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10E
		Dilution Factor: 1		Analysis Time..: 14:25		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

TOTAL Metals

Lot-Sample #...: H8E190177-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**23500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WK10F**
		Dilution Factor: 1		Analysis Time..: 14:25		
Manganese	**300**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WK10G**
		Dilution Factor: 1		Analysis Time..: 14:25		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10H
		Dilution Factor: 1		Analysis Time..: 14:25		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10J
		Dilution Factor: 1		Analysis Time..: 14:25		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10K
		Dilution Factor: 1		Analysis Time..: 14:25		
Sodium	**6370**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WK10L**
		Dilution Factor: 1		Analysis Time..: 14:25		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WK10M
		Dilution Factor: 1		Analysis Time..: 14:25		
Zinc	**55.7**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WK10N**
		Dilution Factor: 1		Analysis Time..: 14:25		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WK10U
		Dilution Factor: 1		Analysis Time..: 14:10		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

DISSOLVED Metals

Lot-Sample #...: H8E190177-018 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X0101
		Dilution Factor: 1		Analysis Time..: 16:43		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X010L
		Dilution Factor: 1		Analysis Time..: 17:26		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X010M
		Dilution Factor: 1		Analysis Time..: 17:26		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0102
		Dilution Factor: 1		Analysis Time..: 16:43		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X0103
		Dilution Factor: 1		Analysis Time..: 16:43		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X010N
		Dilution Factor: 1		Analysis Time..: 17:26		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0104
		Dilution Factor: 1		Analysis Time..: 16:43		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X010P
		Dilution Factor: 1		Analysis Time..: 17:26		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0105
		Dilution Factor: 1		Analysis Time..: 16:43		
Calcium	**58600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X0106**
		Dilution Factor: 1		Analysis Time..: 16:43		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0107
		Dilution Factor: 1		Analysis Time..: 16:43		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0108
		Dilution Factor: 1		Analysis Time..: 16:43		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X0109
		Dilution Factor: 1		Analysis Time..: 16:43		
Iron	**3080**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X010A**
		Dilution Factor: 1		Analysis Time..: 16:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

DISSOLVED Metals

Lot-Sample #...: H8E190177-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**23000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X010C**
		Dilution Factor: 1		Analysis Time..: 16:43		
Manganese	**301**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X010D**
		Dilution Factor: 1		Analysis Time..: 16:43		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X010E
		Dilution Factor: 1		Analysis Time..: 16:43		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X010F
		Dilution Factor: 1		Analysis Time..: 16:43		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X010G
		Dilution Factor: 1		Analysis Time..: 16:43		
Sodium	**6460**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X010H**
		Dilution Factor: 1		Analysis Time..: 16:43		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X010J
		Dilution Factor: 1		Analysis Time..: 16:43		
Zinc	**29.6**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X010K**
		Dilution Factor: 1		Analysis Time..: 16:43		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9X010Q
		Dilution Factor: 1		Analysis Time..: 15:13		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

TOTAL Metals

Lot-Sample #...: H8E190177-008 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	3350	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WL104
		Dilution Factor: 1		Analysis Time..: 14:30		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WL10P
		Dilution Factor: 1		Analysis Time..: 14:57		
Lead	6.1	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WL10Q
		Dilution Factor: 1		Analysis Time..: 14:57		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL105
		Dilution Factor: 1		Analysis Time..: 14:30		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WL106
		Dilution Factor: 1		Analysis Time..: 14:30		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WL10R
		Dilution Factor: 1		Analysis Time..: 14:57		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL107
		Dilution Factor: 1		Analysis Time..: 14:30		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WL10T
		Dilution Factor: 1		Analysis Time..: 14:57		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL108
		Dilution Factor: 1		Analysis Time..: 14:30		
Calcium	105000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WL109
		Dilution Factor: 1		Analysis Time..: 14:30		
Chromium	33.9	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10A
		Dilution Factor: 1		Analysis Time..: 14:30		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10C
		Dilution Factor: 1		Analysis Time..: 14:30		
Copper	27.9	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10D
		Dilution Factor: 1		Analysis Time..: 14:30		
Iron	9630	100	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10E
		Dilution Factor: 1		Analysis Time..: 14:30		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

TOTAL Metals

Lot-Sample #...: H8E190177-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**24100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WL10F**
		Dilution Factor: 1		Analysis Time..: 14:30		
Manganese	**548**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WL10G**
		Dilution Factor: 1		Analysis Time..: 14:30		
Nickel	**48.1**	**40.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WL10H**
		Dilution Factor: 1		Analysis Time..: 14:30		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10J
		Dilution Factor: 1		Analysis Time..: 14:30		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10K
		Dilution Factor: 1		Analysis Time..: 14:30		
Sodium	**15200**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WL10L**
		Dilution Factor: 1		Analysis Time..: 14:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WL10M
		Dilution Factor: 1		Analysis Time..: 14:30		
Zinc	**30.2**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WL10N**
		Dilution Factor: 1		Analysis Time..: 14:30		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WL10U
		Dilution Factor: 1		Analysis Time..: 14:12		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

DISSOLVED Metals

Lot-Sample #...: H8E190177-019 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X1101
		Dilution Factor: 1		Analysis Time..: 16:48		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X110L
		Dilution Factor: 1		Analysis Time..: 17:32		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X110M
		Dilution Factor: 1		Analysis Time..: 17:32		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1102
		Dilution Factor: 1		Analysis Time..: 16:48		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X1103
		Dilution Factor: 1		Analysis Time..: 16:48		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X110N
		Dilution Factor: 1		Analysis Time..: 17:32		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1104
		Dilution Factor: 1		Analysis Time..: 16:48		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X110P
		Dilution Factor: 1		Analysis Time..: 17:32		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1105
		Dilution Factor: 1		Analysis Time..: 16:48		
Calcium	**96500**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X1106**
		Dilution Factor: 1		Analysis Time..: 16:48		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1107
		Dilution Factor: 1		Analysis Time..: 16:48		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1108
		Dilution Factor: 1		Analysis Time..: 16:48		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X1109
		Dilution Factor: 1		Analysis Time..: 16:48		
Iron	**591**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X110A**
		Dilution Factor: 1		Analysis Time..: 16:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

DISSOLVED Metals

Lot-Sample #...: H8E190177-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**21600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X110C**
		Dilution Factor: 1		Analysis Time..: 16:48		
Manganese	**470**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X110D**
		Dilution Factor: 1		Analysis Time..: 16:48		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X110E
		Dilution Factor: 1		Analysis Time..: 16:48		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X110F
		Dilution Factor: 1		Analysis Time..: 16:48		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X110G
		Dilution Factor: 1		Analysis Time..: 16:48		
Sodium	**15700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X110H**
		Dilution Factor: 1		Analysis Time..: 16:48		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X110J
		Dilution Factor: 1		Analysis Time..: 16:48		
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X110K
		Dilution Factor: 1		Analysis Time..: 16:48		

Prep Batch #...: 8149106

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9X110Q
		Dilution Factor: 1		Analysis Time..: 15:15		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

TOTAL Metals

Lot-Sample #...: H8E190177-009 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	**410**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM104**
		Dilution Factor: 1		Analysis Time..: 14:35		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WM10P
		Dilution Factor: 1		Analysis Time..: 15:03		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WM10Q
		Dilution Factor: 1		Analysis Time..: 15:03		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM105
		Dilution Factor: 1		Analysis Time..: 14:35		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WM106
		Dilution Factor: 1		Analysis Time..: 14:35		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WM10R
		Dilution Factor: 1		Analysis Time..: 15:03		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM107
		Dilution Factor: 1		Analysis Time..: 14:35		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WM10T
		Dilution Factor: 1		Analysis Time..: 15:03		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM108
		Dilution Factor: 1		Analysis Time..: 14:35		
Calcium	**91800**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM109**
		Dilution Factor: 1		Analysis Time..: 14:35		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10A
		Dilution Factor: 1		Analysis Time..: 14:35		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10C
		Dilution Factor: 1		Analysis Time..: 14:35		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10D
		Dilution Factor: 1		Analysis Time..: 14:35		
Iron	**3570**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM10E**
		Dilution Factor: 1		Analysis Time..: 14:35		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

TOTAL Metals

Lot-Sample #...: H8E190177-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**26300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM10F**
		Dilution Factor: 1		Analysis Time..: 14:35		
Manganese	**515**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM10G**
		Dilution Factor: 1		Analysis Time..: 14:35		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10H
		Dilution Factor: 1		Analysis Time..: 14:35		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10J
		Dilution Factor: 1		Analysis Time..: 14:35		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10K
		Dilution Factor: 1		Analysis Time..: 14:35		
Sodium	**8980**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM10L**
		Dilution Factor: 1		Analysis Time..: 14:35		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WM10M
		Dilution Factor: 1		Analysis Time..: 14:35		
Zinc	**59.5**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WM10N**
		Dilution Factor: 1		Analysis Time..: 14:35		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WM10U
		Dilution Factor: 1		Analysis Time..: 14:14		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

DISSOLVED Metals

Lot-Sample #...: H8E190177-020 Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X2101
		Dilution Factor: 1		Analysis Time..: 16:53		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X210L
		Dilution Factor: 1		Analysis Time..: 17:38		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X210M
		Dilution Factor: 1		Analysis Time..: 17:38		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2102
		Dilution Factor: 1		Analysis Time..: 16:53		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X2103
		Dilution Factor: 1		Analysis Time..: 16:53		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X210N
		Dilution Factor: 1		Analysis Time..: 17:38		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2104
		Dilution Factor: 1		Analysis Time..: 16:53		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X210P
		Dilution Factor: 1		Analysis Time..: 17:38		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2105
		Dilution Factor: 1		Analysis Time..: 16:53		
Calcium	107000	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X2106
		Dilution Factor: 1		Analysis Time..: 16:53		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2107
		Dilution Factor: 1		Analysis Time..: 16:53		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2108
		Dilution Factor: 1		Analysis Time..: 16:53		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X2109
		Dilution Factor: 1		Analysis Time..: 16:53		
Iron	1190	100	ug/L	SW846 6010A	05/28-06/12/98	CH9X210A
		Dilution Factor: 1		Analysis Time..: 16:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

DISSOLVED Metals

Lot-Sample #...: H8E190177-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**25700**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X210C**
		Dilution Factor: 1		Analysis Time..: 16:53		
Manganese	**532**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X210D**
		Dilution Factor: 1		Analysis Time..: 16:53		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X210E
		Dilution Factor: 1		Analysis Time..: 16:53		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X210F
		Dilution Factor: 1		Analysis Time..: 16:53		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X210G
		Dilution Factor: 1		Analysis Time..: 16:53		
Sodium	**10000**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X210H**
		Dilution Factor: 1		Analysis Time..: 16:53		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X210J
		Dilution Factor: 1		Analysis Time..: 16:53		
Zinc	**32.4**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X210K**
		Dilution Factor: 1		Analysis Time..: 16:53		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9X210Q
		Dilution Factor: 1		Analysis Time..: 15:18		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

TOTAL Metals

Lot-Sample #...: H8E190177-010 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148126						
Aluminum	**1380**	**200**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN104**
		Dilution Factor: 1		Analysis Time..: 14:40		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WN10P
		Dilution Factor: 1		Analysis Time..: 15:08		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WN10Q
		Dilution Factor: 1		Analysis Time..: 15:08		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN105
		Dilution Factor: 1		Analysis Time..: 14:40		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9WN106
		Dilution Factor: 1		Analysis Time..: 14:40		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WN10R
		Dilution Factor: 1		Analysis Time..: 15:08		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN107
		Dilution Factor: 1		Analysis Time..: 14:40		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9WN10T
		Dilution Factor: 1		Analysis Time..: 15:08		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN108
		Dilution Factor: 1		Analysis Time..: 14:40		
Calcium	**55600**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN109**
		Dilution Factor: 1		Analysis Time..: 14:40		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10A
		Dilution Factor: 1		Analysis Time..: 14:40		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10C
		Dilution Factor: 1		Analysis Time..: 14:40		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10D
		Dilution Factor: 1		Analysis Time..: 14:40		
Iron	**5140**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN10E**
		Dilution Factor: 1		Analysis Time..: 14:40		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

TOTAL Metals

Lot-Sample #...: H8E190177-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**17100**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN10F**
		Dilution Factor: 1		Analysis Time..: 14:40		
Manganese	**368**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN10G**
		Dilution Factor: 1		Analysis Time..: 14:40		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10H
		Dilution Factor: 1		Analysis Time..: 14:40		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10J
		Dilution Factor: 1		Analysis Time..: 14:40		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10K
		Dilution Factor: 1		Analysis Time..: 14:40		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10L
		Dilution Factor: 1		Analysis Time..: 14:40		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9WN10M
		Dilution Factor: 1		Analysis Time..: 14:40		
Zinc	**25.1**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9WN10N**
		Dilution Factor: 1		Analysis Time..: 14:40		

Prep Batch #...: 8149105

Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9WN10U
		Dilution Factor: 1		Analysis Time..: 14:17		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

DISSOLVED Metals

Lot-Sample #...: H8E190177-021 **Matrix.....:** WATER
Date Sampled...: 05/17/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X3101
		Dilution Factor: 1		Analysis Time..: 16:58		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X310L
		Dilution Factor: 1		Analysis Time..: 17:43		
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X310M
		Dilution Factor: 1		Analysis Time..: 17:43		
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3102
		Dilution Factor: 1		Analysis Time..: 16:58		
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CH9X3103
		Dilution Factor: 1		Analysis Time..: 16:58		
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X310N
		Dilution Factor: 1		Analysis Time..: 17:43		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3104
		Dilution Factor: 1		Analysis Time..: 16:58		
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CH9X310P
		Dilution Factor: 1		Analysis Time..: 17:43		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3105
		Dilution Factor: 1		Analysis Time..: 16:58		
Calcium	**59300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X3106**
		Dilution Factor: 1		Analysis Time..: 16:58		
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3107
		Dilution Factor: 1		Analysis Time..: 16:58		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3108
		Dilution Factor: 1		Analysis Time..: 16:58		
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X3109
		Dilution Factor: 1		Analysis Time..: 16:58		
Iron	**1270**	**100**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X310A**
		Dilution Factor: 1		Analysis Time..: 16:58		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

DISSOLVED Metals

Lot-Sample #...: H8E190177-021 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**17300**	**5000**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X310C**
		Dilution Factor: 1		Analysis Time..: 16:58		
Manganese	**386**	**15.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X310D**
		Dilution Factor: 1		Analysis Time..: 16:58		
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X310E
		Dilution Factor: 1		Analysis Time..: 16:58		
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X310F
		Dilution Factor: 1		Analysis Time..: 16:58		
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X310G
		Dilution Factor: 1		Analysis Time..: 16:58		
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CH9X310H
		Dilution Factor: 1		Analysis Time..: 16:58		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CH9X310J
		Dilution Factor: 1		Analysis Time..: 16:58		
Zinc	**25.8**	**20.0**	**ug/L**	**SW846 6010A**	**05/28-06/12/98**	**CH9X310K**
		Dilution Factor: 1		Analysis Time..: 16:58		
Prep Batch #...: 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CH9X310Q
		Dilution Factor: 1		Analysis Time..: 15:20		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E280000-126 **Prep Batch #...:** 8148126						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10J
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CHGNP10E
		Dilution Factor: 1				
		Analysis Time..: 12:34				
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10K
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CHGNP10F
		Dilution Factor: 1				
		Analysis Time..: 12:34				
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10L
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CHGNP10G
		Dilution Factor: 1				
		Analysis Time..: 12:34				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10M
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CHGNP10H
		Dilution Factor: 1				
		Analysis Time..: 12:34				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10N
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Calcium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10P
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP101
		Dilution Factor: 1				
		Analysis Time..: 12:21				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB024 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP102
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP103
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CHGNP104
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGNP105
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP106
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP107
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGNP108
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP109
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10A
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10C
		Dilution Factor: 1				
		Analysis Time..: 12:21				
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/12/98	CHGNP10D
		Dilution Factor: 1				
		Analysis Time..: 12:21				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E290000-105 **Prep Batch #...:** 8149105						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CHHMM101
		Dilution Factor: 1				
		Analysis Time..: 13:17				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB024 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E280000-140 Prep Batch #...: 8148140						
Aluminum	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10F
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CHGPK10A
		Dilution Factor: 1				
		Analysis Time..: 12:45				
Antimony	ND	60.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10G
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Lead	ND	3.0	ug/L	SW846 6010A	05/28-06/13/98	CHGPK10C
		Dilution Factor: 1				
		Analysis Time..: 12:45				
Barium	ND	200	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10H
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Selenium	ND	5.0	ug/L	SW846 6010A	05/28-06/13/98	CHGPK10D
		Dilution Factor: 1				
		Analysis Time..: 12:45				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10J
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Thallium	ND	10.0	ug/L	SW846 6010A	05/28-06/13/98	CHGPK10E
		Dilution Factor: 1				
		Analysis Time..: 12:45				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10K
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Calcium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10L
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Chromium	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10M
		Dilution Factor: 1				
		Analysis Time..: 12:09				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10N
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Copper	ND	25.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK10P
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Iron	ND	100	ug/L	SW846 6010A	05/28-06/12/98	CHGPK101
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Magnesium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGPK102
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Manganese	ND	15.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK103
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Nickel	ND	40.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK104
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Potassium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGPK105
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Silver	ND	10.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK106
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Sodium	ND	5000	ug/L	SW846 6010A	05/28-06/12/98	CHGPK107
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK108
		Dilution Factor: 1				
		Analysis Time..: 12:09				
Zinc	ND	20.0	ug/L	SW846 6010A	05/28-06/12/98	CHGPK109
		Dilution Factor: 1				
		Analysis Time..: 12:09				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E290000-106 **Prep Batch #...:** 8149106						
Mercury	ND	0.20	ug/L	SW846 7470A	05/29/98	CHHMP101
		Dilution Factor: 1				
		Analysis Time..: 14:19				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E160155-001 **Prep Batch #...:** 8148126							
Aluminum	116	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12C
	103	(80 - 120)	10	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12D
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Arsenic	80	(80 - 120)			SW846 6010A	05/28-06/13/98	CH87W123
	83	(80 - 120)	2.9	(0-20)	SW846 6010A	05/28-06/13/98	CH87W124
		Dilution Factor: 1					
		Analysis Time..: 13:01					
Antimony	93	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12E
	95	(80 - 120)	2.4	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12F
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Lead	78 N	(80 - 120)			SW846 6010A	05/28-06/13/98	CH87W125
	81	(80 - 120)	3.5	(0-20)	SW846 6010A	05/28-06/13/98	CH87W126
		Dilution Factor: 1					
		Analysis Time..: 13:01					
Barium	89	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12G
	91	(80 - 120)	2.3	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12H
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Selenium	82	(80 - 120)			SW846 6010A	05/28-06/13/98	CH87W127
	84	(80 - 120)	2.3	(0-20)	SW846 6010A	05/28-06/13/98	CH87W128
		Dilution Factor: 1					
		Analysis Time..: 13:01					
Beryllium	95	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12J
	98	(80 - 120)	3.3	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12K
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Thallium	75 N	(80 - 120)			SW846 6010A	05/28-06/13/98	CH87W129
	77 N	(80 - 120)	3.3	(0-20)	SW846 6010A	05/28-06/13/98	CH87W12A
		Dilution Factor: 1					
		Analysis Time..: 13:01					
Cadmium	95	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12L
	93	(80 - 120)	2.4	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12M
		Dilution Factor: 1					
		Analysis Time..: 12:36					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB024 Matrix.....: WATER
Date Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	93	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W12N
	90	(80 - 120)	1.3	(0-20)	SW846 6010A	05/28-06/12/98	CH87W12P
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Chromium	92	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W119
	93	(80 - 120)	0.62	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11A
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Cobalt	90	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11C
	92	(80 - 120)	1.5	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11D
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Copper	88	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11E
	86	(80 - 120)	2.2	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11F
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Iron	68 N	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11G
	44 N	(80 - 120)	13	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11H
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Magnesium	96	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11J
	97	(80 - 120)	0.66	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11K
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Manganese	89	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11L
	90	(80 - 120)	0.24	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11M
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Nickel	89	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11N
	90	(80 - 120)	0.62	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11P
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Potassium	96	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11Q
	98	(80 - 120)	2.4	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11R
		Dilution Factor: 1					
		Analysis Time..: 12:36					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	94	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11T
	93	(80 - 120)	1.1	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11U
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Sodium	95	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11V
	98	(80 - 120)	3.2	(0-20)	SW846 6010A	05/28-06/12/98	CH87W11W
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Vanadium	91	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W11X
	92	(80 - 120)	1.0	(0-20)	SW846 6010A	05/28-06/12/98	CH87W120
		Dilution Factor: 1					
		Analysis Time..: 12:36					
Zinc	99	(80 - 120)			SW846 6010A	05/28-06/12/98	CH87W121
	90	(80 - 120)	8.9	(0-20)	SW846 6010A	05/28-06/12/98	CH87W122
		Dilution Factor: 1					
		Analysis Time..: 12:36					

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 #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E160155-005 **Prep Batch #...:** 8148140							
Aluminum	109	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211M
	101	(80 - 120)	7.6	(0-20)	SW846 6010A	05/28-06/12/98	CH88211N
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Arsenic	93	(80 - 120)			SW846 6010A	05/28-06/13/98	CH88211D
	90	(80 - 120)	3.5	(0-20)	SW846 6010A	05/28-06/13/98	CH88211E
		Dilution Factor: 1					
		Analysis Time..: 15:19					
Antimony	104	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211P
	100	(80 - 120)	4.1	(0-20)	SW846 6010A	05/28-06/12/98	CH88211Q
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Lead	91	(80 - 120)			SW846 6010A	05/28-06/13/98	CH88211F
	88	(80 - 120)	3.4	(0-20)	SW846 6010A	05/28-06/13/98	CH88211G
		Dilution Factor: 1					
		Analysis Time..: 15:19					
Barium	98	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211R
	95	(80 - 120)	2.9	(0-20)	SW846 6010A	05/28-06/12/98	CH88211T
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Selenium	94	(80 - 120)			SW846 6010A	05/28-06/13/98	CH88211H
	92	(80 - 120)	2.2	(0-20)	SW846 6010A	05/28-06/13/98	CH88211J
		Dilution Factor: 1					
		Analysis Time..: 15:19					
Beryllium	105	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211U
	103	(80 - 120)	1.6	(0-20)	SW846 6010A	05/28-06/12/98	CH88211V
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Thallium	88	(80 - 120)			SW846 6010A	05/28-06/13/98	CH88211K
	85	(80 - 120)	3.3	(0-20)	SW846 6010A	05/28-06/13/98	CH88211L
		Dilution Factor: 1					
		Analysis Time..: 15:19					
Cadmium	104	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211W
	102	(80 - 120)	2.6	(0-20)	SW846 6010A	05/28-06/12/98	CH88211X
		Dilution Factor: 1					
		Analysis Time..: 14:50					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	100	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882120
	68 N	(80 - 120)	12	(0-20)	SW846 6010A	05/28-06/12/98	CH882121
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Chromium	104	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882122
	102	(80 - 120)	2.1	(0-20)	SW846 6010A	05/28-06/12/98	CH882123
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Cobalt	97	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882124
	94	(80 - 120)	2.9	(0-20)	SW846 6010A	05/28-06/12/98	CH882125
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Copper	93	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882126
	91	(80 - 120)	2.5	(0-20)	SW846 6010A	05/28-06/12/98	CH882127
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Iron	94	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88210R
	92	(80 - 120)	2.1	(0-20)	SW846 6010A	05/28-06/12/98	CH88210T
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Magnesium	105	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88210U
	89	(80 - 120)	8.6	(0-20)	SW846 6010A	05/28-06/12/98	CH88210V
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Manganese	96	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88210W
	73 N	(80 - 120)	10	(0-20)	SW846 6010A	05/28-06/12/98	CH88210X
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Nickel	98	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882110
	95	(80 - 120)	2.6	(0-20)	SW846 6010A	05/28-06/12/98	CH882111
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Potassium	106	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882112
	98	(80 - 120)	6.5	(0-20)	SW846 6010A	05/28-06/12/98	CH882113
		Dilution Factor: 1					
		Analysis Time..: 14:50					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	98	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882114
	96	(80 - 120)	1.6	(0-20)	SW846 6010A	05/28-06/12/98	CH882115
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Sodium	100	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882116
	49 N	(80 - 120)	15	(0-20)	SW846 6010A	05/28-06/12/98	CH882117
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Vanadium	98	(80 - 120)			SW846 6010A	05/28-06/12/98	CH882118
	96	(80 - 120)	2.0	(0-20)	SW846 6010A	05/28-06/12/98	CH882119
		Dilution Factor: 1					
		Analysis Time..: 14:50					
Zinc	97	(80 - 120)			SW846 6010A	05/28-06/12/98	CH88211A
	92	(80 - 120)	4.4	(0-20)	SW846 6010A	05/28-06/12/98	CH88211C
		Dilution Factor: 1					
		Analysis Time..: 14:50					

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 #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E280000-126 **Prep Batch #...:** 8148126					
Chromium	96	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10Q
Cobalt	94	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10R
Copper	93	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10T
Iron	89	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10U
Magnesium	99	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10V
Manganese	94	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10W
Nickel	96	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP10X
Antimony	96	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP11A
Barium	94	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP11C
Beryllium	100	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:04	05/28-06/12/98	CHGNP11D

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	98	(81 - 118)	SW846 6010A	05/28-06/12/98	CHGNP11E
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Calcium	96	(82 - 120)	SW846 6010A	05/28-06/12/98	CHGNP11F
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Potassium	103	(81 - 115)	SW846 6010A	05/28-06/12/98	CHGNP110
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Silver	95	(80 - 120)	SW846 6010A	05/28-06/12/98	CHGNP111
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Sodium	101	(82 - 114)	SW846 6010A	05/28-06/12/98	CHGNP112
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Vanadium	93	(88 - 117)	SW846 6010A	05/28-06/12/98	CHGNP113
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Zinc	101	(85 - 120)	SW846 6010A	05/28-06/12/98	CHGNP114
		Dilution Factor: 1			
		Analysis Time..: 16:04			
Arsenic	90	(82 - 110)	SW846 6010A	05/28-06/13/98	CHGNP115
		Dilution Factor: 1			
		Analysis Time..: 12:39			
Lead	90	(81 - 111)	SW846 6010A	05/28-06/13/98	CHGNP116
		Dilution Factor: 1			
		Analysis Time..: 12:39			
Selenium	90	(81 - 113)	SW846 6010A	05/28-06/13/98	CHGNP117
		Dilution Factor: 1			
		Analysis Time..: 12:39			
Thallium	87	(80 - 110)	SW846 6010A	05/28-06/13/98	CHGNP118
		Dilution Factor: 1			
		Analysis Time..: 12:39			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	99	(83 - 117)	SW846 6010A	05/28-06/12/98	CHGNP119
		Dilution Factor: 1			
		Analysis Time..: 16:04			

LCS Lot-Sample#: H8E290000-105 **Prep Batch #...:** 8149105

Mercury	104	(80 - 120)	SW846 7470A	05/29/98	CHHMM102
		Dilution Factor: 1			
		Analysis Time..: 13:20			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E280000-140 **Prep Batch #...:** 8148140					
Iron	93	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10Q
Magnesium	105	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10R
Manganese	99	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10T
Nickel	102	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10U
Potassium	107	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10V
Silver	103	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10W
Sodium	107	(82 - 114)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK10X
Cadmium	99	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK11A
Calcium	101	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK11C
Chromium	104	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK11D

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	99	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK11E
Copper	100	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK11F
Vanadium	99	(88 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK110
Zinc	110	(85 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK111
Arsenic	94	(82 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:50	05/28-06/13/98	CHGPK112
Lead	95	(81 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:50	05/28-06/13/98	CHGPK113
Selenium	94	(81 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:50	05/28-06/13/98	CHGPK114
Thallium	93	(80 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:50	05/28-06/13/98	CHGPK115
Aluminum	104	(83 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK116
Antimony	103	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK117
Barium	99	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:14	05/28-06/12/98	CHGPK118

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	105	(80 - 120)	SW846 6010A	05/28-06/12/98	CHGPK119
		Dilution Factor: 1			
		Analysis Time..: 12:14			

LCS Lot-Sample#: H8E290000-106 **Prep Batch #...:** 8149106

Mercury	105	(80 - 120)	SW846 7470A	05/29/98	CHHMP102
		Dilution Factor: 1			
		Analysis Time..: 14:22			

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5415

General Chemistry

Lot-Sample #...: H8E160155-001 Work Order #...: CH87W Matrix.....: WATER
Date Sampled...: 05/15/98 Date Received..: 05/16/98

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	05/22/98	8152340
	Dilution Factor: 1					
Chloride - Automated	34	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
	Dilution Factor: 1					
Hardness, as CaCO3	340	10	mg/L	MCAWW 130.2	06/04/98	8155261
	Dilution Factor: 5					
Nitrate	7.3	1.0	mg/L	MCAWW 353.2	05/16/98	8146269
	Dilution Factor: 10					
Sulfate	45	10	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	300	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	1	1	mg/L	SW846 9060	05/28-05/29/98	8150128
	Dilution Factor: 1					
Total Suspended Solids	280	4.0	mg/L	MCAWW 160.2	05/19-05/20/98	8142167
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 0.9 - 1.1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5545

General Chemistry

Lot-Sample #...: H8E160155-003 Work Order #...: CH880 Matrix.....: WATER
Date Sampled...: 05/15/98 Date Received..: 05/16/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	650	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
	Dilution Factor: 1					
Chloride - Automated	23	10	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
	Dilution Factor: 10					
Hardness, as CaCO3	660	10	mg/L	MCAWW 130.2	06/04/98	8155261
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/16/98	8146269
	Dilution Factor: 100					
Sulfate	260	50	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 10					
Total Cyanide	0.016	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	28	10	mg/L	SW846 9060	05/28-05/29/98	8150128
	Dilution Factor: 10					
Total Suspended Solids	370	4.0	mg/L	MCAWW 160.2	05/19-05/20/98	8142167
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 27.7 - 28.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5685

General Chemistry

Lot-Sample #...: H8E160155-004 **Work Order #...:** CH881 **Matrix.....:** WATER
Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	640	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	ND DIL	100	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
	Dilution Factor: 100					
Hardness, as CaCO3	1500	10	mg/L	MCAWW 130.2	06/04/98	8155261
	Dilution Factor: 5					
Nitrate	62	10	mg/L	MCAWW 353.2	05/16/98	8146269
	Dilution Factor: 100					
Sulfate	2000	500	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 100					
Total Cyanide	0.089	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	6400	20	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 2					
Total Organic Carbon	780	100	mg/L	SW846 9060	05/28-05/29/98	8150128
	Dilution Factor: 100					
Total Suspended Solids	160	4.0	mg/L	MCAWW 160.2	05/19-05/20/98	8142167
	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: 756 - 796

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535

General Chemistry

Lot-Sample #...: H8E180160-001 Work Order #...: CH92R Matrix.....: WATER
Date Sampled...: 05/16/98 Date Received..: 05/18/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
	Dilution Factor: 1					
Hardness, as CaCO3	200	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/18/98	8155226
	Dilution Factor: 1					
Sulfate	140	50	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	400	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
	Dilution Factor: 1					
Total Organic Carbon	7	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 6.6 - 6.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665

General Chemistry

Lot-Sample #...: H8E180160-002 Work Order #...: CH92T Matrix.....: WATER
Date Sampled...: 05/16/98 Date Received..: 05/18/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	180	100	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 100					
Hardness, as CaCO3	790	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/18/98	8155226
	Dilution Factor: 1					
Sulfate	ND	5	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	620	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
	Dilution Factor: 1					
Total Organic Carbon	9	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 8.0 - 8.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905

General Chemistry

Lot-Sample #...: H8E180160-003 Work Order #...: CH92V Matrix.....: WATER
Date Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	500	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	730	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	24	10	mg/L	MCAWW 353.2	05/18/98	8155226
	Dilution Factor: 100					
Sulfate	630	100	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 20					
Total Cyanide	0.044	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	2300	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
	Dilution Factor: 1					
Total Organic Carbon	160	10	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 10					
Total Suspended Solids	23	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 162 - 164

IT CORPORATION - KNOXVILLE

Client Sample ID: 5955

General Chemistry

Lot-Sample #...: H8E180160-004 Work Order #...: CH92W Matrix.....: WATER
Date Sampled...: 05/16/98 Date Received..: 05/18/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	750	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	280	4	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 4					
Hardness, as CaCO3	750	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/18/98	8155226
	Dilution Factor: 100					
Sulfate	49	10	mg/L	MCAWW 375.4	05/23/98	8146251
	Dilution Factor: 2					
Total Cyanide	0.016	0.010	mg/L	SW846 9010A	05/26/98	8148209
	Dilution Factor: 1					
Total Dissolved Solids	590	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
	Dilution Factor: 1					
Total Organic Carbon	9	5	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 5					
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 8.6 - 10.6

IT CORPORATION - KNOXVILLE

Client Sample ID: 5435

General Chemistry

Lot-Sample #...: H8E190177-001 Work Order #...: CH9WD Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	74	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	530	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 100					
Sulfate	140	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	7600	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	4	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	6.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.4 - 3.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5635

General Chemistry

Lot-Sample #...: H8E190177-002 **Work Order #...:** CH9WE **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

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**	**05/29/98**	**8152339**
	Dilution Factor: 1					
Chloride - Automated	**14**	**1**	**mg/L**	**MCAWW 325.2**	**06/01/98**	**8153200**
	Dilution Factor: 1					
Hardness, as CaCO3	**1800**	**20**	**mg/L**	**MCAWW 130.2**	**06/04/98**	**8159307**
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	**1300**	**250**	**mg/L**	**MCAWW 375.4**	**06/04/98**	**8146256**
	Dilution Factor: 50					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	**2900**	**10**	**mg/L**	**MCAWW 160.1**	**05/22-05/26/98**	**8148162**
	Dilution Factor: 1					
Total Organic Carbon	**3**	**2**	**mg/L**	**SW846 9060**	**06/03-06/04/98**	**8156164**
	Dilution Factor: 2					
Total Suspended Solids	**150**	**8.0**	**mg/L**	**MCAWW 160.2**	**05/22-05/26/98**	**8146280**
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 2.4 - 2.6

IT CORPORATION - KNOXVILLE

Client Sample ID: 5655

General Chemistry

Lot-Sample #...: H8E190177-003 Work Order #...: CH9WF Matrix.....: WATER
Date Sampled....: 05/18/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	26	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	850	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	0.2	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	240	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	240	8.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 2.4 - 2.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5675

General Chemistry

Lot-Sample #...: H8E190177-004 Work Order #...: CH9WG Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	7	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	940	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	200	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	630	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	8.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.5 - 3.0

IT CORPORATION - KNOXVILLE

Client Sample ID: 5785

General Chemistry

Lot-Sample #...: H8E190177-005 **Work Order #...:** CH9WH **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	750	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	550	250	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 50					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	800	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	9.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.4 - 2.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5825

General Chemistry

Lot-Sample #...: H8E190177-006 Work Order #...: CH9WJ Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	520	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	30	5	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	370	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	130	8.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 1.8 - 2.1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5855

General Chemistry

Lot-Sample #...: H8E190177-007 Work Order #...: CH9WK Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	1	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	430	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	93	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	3	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	50	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.2 - 3.4

IT CORPORATION - KNOXVILLE

Client Sample ID: 5865

General Chemistry

Lot-Sample #...: H8E190177-008 Work Order #...: CH9WL Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	4	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	550	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 100					
Sulfate	150	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	3	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	100	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.8 -2.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5875

General Chemistry

Lot-Sample #...: H8E190177-009 Work Order #...: CH9WM Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	2	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	480	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 100					
Sulfate	200	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	570	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	37	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 1.5 - 1.6

IT CORPORATION - KNOXVILLE

Client Sample ID: 5885

General Chemistry

Lot-Sample #...: H8E190177-010 Work Order #...: CH9WN Matrix.....: WATER
Date Sampled...: 05/17/98 Date Received..: 05/19/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	200	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	2	1	mg/L	MCAWW 325.2	06/01/98	8153200
	Dilution Factor: 1					
Hardness, as CaCO3	360	10	mg/L	MCAWW 130.2	06/04/98	8159307
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 100					
Sulfate	23	5	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	280	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/03/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	18	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.2 - 2.4

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CHLKE101		MB Lot-Sample #:	B8F010000-340	
	ND	5.0	mg/L	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CHLKD101		MB Lot-Sample #:	B8F010000-339	
	ND	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHD94101		MB Lot-Sample #:	B8E220000-138	
	ND	1	mg/L	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHLR5101		MB Lot-Sample #:	B8F020000-200	
	ND	1	mg/L	MCAWW 325.2	06/01/98	8153200
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHMNF101		MB Lot-Sample #:	B8F030000-154	
	ND	1	mg/L	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHPPC101		MB Lot-Sample #:	B8F040000-261	
	ND	2	mg/L	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHTM1101		MB Lot-Sample #:	B8F080000-307	
	ND	2	mg/L	MCAWW 130.2	06/04/98	8159307
		Dilution Factor: 1				
Nitrate		Work Order #: CHFK3101		MB Lot-Sample #:	B8E260000-269	
	ND	0.1	mg/L	MCAWW 353.2	05/16/98	8146269
		Dilution Factor: 1				
Nitrate		Work Order #: CHPGK101		MB Lot-Sample #:	B8F040000-226	
	ND	0.1	mg/L	MCAWW 353.2	05/18/98	8155226
		Dilution Factor: 1				
Nitrate		Work Order #: CHPH3101		MB Lot-Sample #:	B8F040000-227	
	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
		Dilution Factor: 1				
Sulfate		Work Order #: CHFHD101		MB Lot-Sample #:	B8E260000-251	
	ND	5	mg/L	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CHFHM101		MB Lot-Sample #:	B8E260000-256	
	ND	5	mg/L	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHH0C101		MB Lot-Sample #:	B8E280000-209	
	ND	0.010	mg/L	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHKFP101		MB Lot-Sample #:	B8E300000-123	
	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHDNF101		MB Lot-Sample #:	B8E220000-229	
	ND	10	mg/L	MCAWW 160.1	05/21-05/22/98	8142229
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHGRK101		MB Lot-Sample #:	B8E280000-162	
	ND	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHJ9K101		MB Lot-Sample #:	B8E290000-182	
	ND	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CHKFW101		MB Lot-Sample #:	B8E300000-128	
	ND	1	mg/L	SW846 9060	05/28/98	8150128
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CHQGD101		MB Lot-Sample #:	B8F050000-164	
	ND	1	mg/L	SW846 9060	06/03/98	8156164
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHDCK101		MB Lot-Sample #:	B8E220000-167	
	ND	4.0	mg/L	MCAWW 160.2	05/19-05/20/98	8142167
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHFKM101		MB Lot-Sample #:	B8E260000-280	
	ND	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
		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 #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		WO#:	CHAEG11A-MS/CHAEG11C-MSD			MS Lot-Sample #:	H8E200144-001
	108	(90 - 110)			MCAWW 310.1	05/29/98	8152339
	106	(90 - 110)	1.4	(0-20)	MCAWW 310.1	05/29/98	8152339
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#:	CHAEP10F-MS/CHAEP10G-MSD			MS Lot-Sample #:	H8E200144-002
	108	(90 - 110)			MCAWW 310.1	05/29/98	8153211
	106	(90 - 110)	1.8	(0-20)	MCAWW 310.1	05/29/98	8153211
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#:	CH6CX12W-MS/CH6CX12X-MSD			MS Lot-Sample #:	H8E140209-005
	100	(90 - 110)			MCAWW 310.1	05/22/98	8152340
	98	(90 - 110)	0.34	(0-20)	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1					
Chloride - Automated		WO#:	CHAEG10M-MS/CHAEG10N-MSD			MS Lot-Sample #:	H8E200144-001
	95	(90 - 114)			MCAWW 325.2	06/01/98	8153200
	96	(90 - 114)	0.15	(0-12)	MCAWW 325.2	06/01/98	8153200
		Dilution Factor: 1					
Chloride - Automated		WO#:	CH6CX137-MS/CH6CX138-MSD			MS Lot-Sample #:	H8E140209-005
	81 N,MSC	(90 - 114)			MCAWW 325.2	05/19-05/20/98	8142138
	83 N,MSC	(90 - 114)	0.91	(0-12)	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CHAEG11D-MS/CHAEG11E-MSD			MS Lot-Sample #:	H8E200144-001
	98	(90 - 110)			MCAWW 130.2	06/04/98	8159307
	100	(90 - 110)	1.4	(0-20)	MCAWW 130.2	06/04/98	8159307
		Dilution Factor: 1					
Nitrate		WO#:	CH7T110R-MS/CH7T110T-MSD			MS Lot-Sample #:	B8E160101-003
	96	(90 - 110)			MCAWW 353.2	05/16/98	8146269
	94	(90 - 110)	2.4	(0-10)	MCAWW 353.2	05/16/98	8146269
		Dilution Factor: 1					
Nitrate		WO#:	CH9XA119-MS/CH9XA11A-MSD			MS Lot-Sample #:	H8E190178-003
	96	(90 - 110)			MCAWW 353.2	05/19/98	8155227
	95	(90 - 110)	0.27	(0-10)	MCAWW 353.2	05/19/98	8155227
		Dilution Factor: 1					
Nitrate		WO#:	CH92R113-MS/CH92R114-MSD			MS Lot-Sample #:	H8E180160-001
	109	(90 - 110)			MCAWW 353.2	05/18/98	8155226
	108	(90 - 110)	1.5	(0-10)	MCAWW 353.2	05/18/98	8155226
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB024 **Matrix.....:** WATER
Date Sampled...: 05/14/98 **Date Received..:** 05/16/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: CHAEG10U-MS/CHAEG10V-MSD				MS Lot-Sample #:	H8E200144-001
	90	(80 - 120)			MCAWW 375.4	06/04/98	8146256
	90	(80 - 120)	0.0	(0-20)	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1					
Sulfate		WO#: CH6CX131-MS/CH6CX132-MSD				MS Lot-Sample #:	H8E140209-005
	0.0 MSB	(80 - 120)			MCAWW 375.4	05/23/98	8146251
	0.0 MSB	(80 - 120)	0.0	(0-20)	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1					
Total Cyanide		WO#: CH7VF10U-MS/CH7VF10V-MSD				MS Lot-Sample #:	B8E160108-005
	74	(56 - 128)			SW846 9010A	05/26/98	8148209
	80	(56 - 128)	7.0	(0-18)	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1					
Total Cyanide		WO#: CH9XA117-MS/CH9XA118-MSD				MS Lot-Sample #:	H8E190178-003
	72	(56 - 128)			SW846 9010A	05/29/98	8150123
	84	(56 - 128)	14	(0-18)	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1					
Total Organic Carbon		WO#: CH92R115-MS/CH92R116-MSD				MS Lot-Sample #:	H8E180160-001
	93	(90 - 112)			SW846 9060	06/03/98	8156164
	96	(90 - 112)	1.0	(0-20)	SW846 9060	06/03/98	8156164
		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.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E160155 **Work Order #...:** CHAC3-SMP CHAC3-DUP **Matrix.....:** WATER

Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	B8E200140-005	
	240	230	mg/L	5.7	(0-20)	MCAWW 160.1	05/22-05/26/98	8148162

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E160155 **Work Order #...:** CHD6P-SMP CHD6P-DUP **Matrix.....:** WATER

Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	H8E220101-005	
	2000	2200	mg/L	11	(0-20)	MCAWW 160.1	05/22-05/29/98	8149182

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E160155 **Work Order #...:** CH881-SMP CH881-DUP **Matrix.....:** WATER

Date Sampled...: 05/15/98 **Date Received..:** 05/16/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	H8E160155-004	
	160	190	mg/L	15	(0-20)	MCAWW 160.2	05/19-05/20/98	8142167

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E160155 **Work Order #...:** CH92W-SMP CH92W-DUP **Matrix.....:** WATER

Date Sampled...: 05/16/98 **Date Received..:** 05/18/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	H8E180160-004	
	590	610	mg/L	3.3	(0-20)	MCAWW 160.1	05/21-05/22/98	8142229

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH WO#:CHLKD102-LCS/CHLKD103-LCSD LCS Lot-Sample#: B8F010000-339							
	108	(90 - 110)			MCAWW 310.1	05/29/98	8152339
	108	(90 - 110)	0.0	(0-20)	MCAWW 310.1	05/29/98	8152339
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH WO#:CHLKE102-LCS/CHLKE103-LCSD LCS Lot-Sample#: B8F010000-340							
	109	(90 - 110)			MCAWW 310.1	05/22/98	8152340
	109	(90 - 110)	0.0	(0-20)	MCAWW 310.1	05/22/98	8152340
		Dilution Factor: 1					
Chloride - Automated WO#:CHD94102-LCS/CHD94103-LCSD LCS Lot-Sample#: B8E220000-138							
	97	(90 - 115)			MCAWW 325.2	05/19-05/20/98	8142138
	97	(90 - 115)	0.50	(0-20)	MCAWW 325.2	05/19-05/20/98	8142138
		Dilution Factor: 1					
Chloride - Automated WO#:CHLR5102-LCS/CHLR5103-LCSD LCS Lot-Sample#: B8F020000-200							
	109	(90 - 115)			MCAWW 325.2	06/01/98	8153200
	105	(90 - 115)	3.6	(0-20)	MCAWW 325.2	06/01/98	8153200
		Dilution Factor: 1					
Chloride - Automated WO#:CHMNF102-LCS/CHMNF103-LCSD LCS Lot-Sample#: B8F030000-154							
	110	(90 - 115)			MCAWW 325.2	06/02/98	8154154
	111	(90 - 115)	0.81	(0-20)	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CHPPC102-LCS/CHPPC103-LCSD LCS Lot-Sample#: B8F040000-261							
	100	(90 - 110)			MCAWW 130.2	06/04/98	8155261
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/04/98	8155261
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CHTM1102-LCS/CHTM1103-LCSD LCS Lot-Sample#: B8F080000-307							
	100	(90 - 110)			MCAWW 130.2	06/04/98	8159307
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/04/98	8159307
		Dilution Factor: 1					
Nitrate WO#:CHFK3102-LCS/CHFK3103-LCSD LCS Lot-Sample#: B8E260000-269							
	95	(90 - 110)			MCAWW 353.2	05/16/98	8146269
	92	(90 - 110)	2.4	(0-20)	MCAWW 353.2	05/16/98	8146269
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:CHPGK102-LCS/CHPGK103-LCSD				LCS Lot-Sample#: B8F040000-226	
	108	(90 - 110)			MCAWW 353.2	05/18/98	8155226
	104	(90 - 110)	3.1	(0-20)	MCAWW 353.2	05/18/98	8155226
		Dilution Factor: 1					
Nitrate		WO#:CHPH3102-LCS/CHPH3103-LCSD				LCS Lot-Sample#: B8F040000-227	
	98	(90 - 110)			MCAWW 353.2	05/19/98	8155227
	97	(90 - 110)	0.51	(0-20)	MCAWW 353.2	05/19/98	8155227
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHDNF102-LCS/CHDNF103-LCSD				LCS Lot-Sample#: B8E220000-229	
	97	(84 - 114)			MCAWW 160.1	05/21-05/22/98	8142229
	99	(84 - 114)	1.4	(0-20)	MCAWW 160.1	05/21-05/22/98	8142229
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHGRK102-LCS/CHGRK103-LCSD				LCS Lot-Sample#: B8E280000-162	
	101	(84 - 114)			MCAWW 160.1	05/22-05/26/98	8148162
	105	(84 - 114)	4.0	(0-20)	MCAWW 160.1	05/22-05/26/98	8148162
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHJ9K102-LCS/CHJ9K103-LCSD				LCS Lot-Sample#: B8E290000-182	
	96	(84 - 114)			MCAWW 160.1	05/22-05/26/98	8149182
	97	(84 - 114)	1.6	(0-20)	MCAWW 160.1	05/22-05/26/98	8149182
		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 #...: PB024 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CHFHD102	LCS Lot-Sample#: B8E260000-251		
	92	(90 - 110)	MCAWW 375.4	05/23/98	8146251
		Dilution Factor: 1			
Sulfate		Work Order #: CHFHM102	LCS Lot-Sample#: B8E260000-256		
	93	(90 - 110)	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHH0C102	LCS Lot-Sample#: B8E280000-209		
	92	(65 - 119)	SW846 9010A	05/26/98	8148209
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHKFP102	LCS Lot-Sample#: B8E300000-123		
	88	(65 - 119)	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: CHKFW102	LCS Lot-Sample#: B8E300000-128		
	94	(90 - 112)	SW846 9060	05/28/98	8150128
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: CHQGD102	LCS Lot-Sample#: B8F050000-164		
	93	(90 - 112)	SW846 9060	06/03/98	8156164
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: CHDCK102	LCS Lot-Sample#: B8E220000-167		
	97	(76 - 121)	MCAWW 160.2	05/19-05/20/98	8142167
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: CHFKM102	LCS Lot-Sample#: B8E260000-280		
	95	(76 - 121)	MCAWW 160.2	05/22-05/26/98	8146280
		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# PB024

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	DISS	TOTAL	ALK	TOC	NO3	SO4	CL	HARD	CN	TSS	TDS	EXP
				8260A	8270B	8081	6010A	6010A	310.1	9060	353.2	375.3	325.3	130.2	9010A	160.2	160.1	8330
1	5/16/98	H8E160155	5415	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
2			5416	X	X	X	X	X										X
3			5545	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
4			5685	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
5	5/18/98	H8E180160	5535				X	X	T	T	T	T	T	T	T	T	T	
6			5665				X	X	T	T	T	T	T	T	T	T	T	
7			5905				X	X	T	T	T	T	T	T	T	T	T	
8			5955	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
9			9014	X														
10	5/19/98	H8E190177	5435	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
11			5635	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
12			5655	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
13			5675	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
14			5785	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
15			5825	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
16			5855	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
17			5865	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
18			5875	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
19			5885	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
20			9015	X														

A = ARVADA
T = QES TAMPA
WS = QES WEST SACRAMENTO

MATRIX: WATER
ANALYTICAL DUE: 6-7-98
REPORT DUE: 6-11-98
CLOSED?__YES__

6/3/9822:16

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E160155

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received? BRB	✓	✓	
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: Bryan Blomquist DATE: 5/16/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			✓
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified?

PROJECT MANAGER : JL DATE: 5/16/98 (performed RFA)

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5545	Diss Metals	4d	pH=3 / preserved pH=2
5685	T+D Metals	4d	pH=3 /
9012	VOA	4b	* Cancel analysis..

☑ Client informed on 5/18/98 by JBR. Person contacted: KIM NAPIER.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: JL Date: 5/18/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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=3
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. Knox PROJECT: PBOW Lot No.: H8E160153

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/18/98

QA016R7.doc, 01/29/98

Quote # 20941

H8E160155

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QESK

Project Number: 773206
Samples Shipment Date: 15-MAY-98
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: Quanterra - Knoxville
Sample Coordinator: Duane Nielsen
Lab Contact: John Reynolds
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/801624849895

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 [X]

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/15/98 Time: 1800
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Seal intact 3°C Date: 5-16-98 Time: 10:50
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: 1L TOTAL METALS; 1L FILTERED METALS

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		pH<2
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5416	PBOW-98-GW-BG8-BEDGW-001-5416	15-MAY-98	10:40	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5416	PBOW-98-GW-BG8-BEDGW-001-5416	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		pH<2

H8E160155

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5416	PBOW-98-GW-BG8-BEDGW-001-5416	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5416	PBOW-98-GW-BG8-BEDGW-001-5416	15-MAY-98	10:40	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5416	PBOW-98-GW-BG8-BEDGW-001-5416	15-MAY-98	10:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		T ≠ pH<2 D = pH=3
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		T ≠ pH=3 D = pH=3
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9012		15-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		Did not receive BPB 5/16/98

H8E160155

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QEST

Project Number: 773206

Samples Shipment Date: 15-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852799

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)	Date: 5/15/98 Time: 1800	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

H&E/60155

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: 148E80160

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?		✓	
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed) BJG 5/18/98	✓		
n. Are test/parameters listed for each sample?	✓	✓	
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/18/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions?	✓		

*Cancel samples 5535, 5665, 5905 for KNX tests only (TAMPA rec'd @ 4°C) due to temp. of cooler

2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/18/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
all Samples	VOA, BNA, PCB, EXP, metal	6a	
5535	↓	2b	7°C
5665	↓	2b	11°C
5905	↓	2b	11°C

Cancel for KNX organic tests (except metals)

☑ Client informed on 5/18/98 by [illegible]. Person contacted: Kim Napier.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/18/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = see other page
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. Knx PROJECT: PBOW Lot No.: H8E180160

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/19/98

QA016R7.doc, 01/29/98

Quote # 2094

H8E180160

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QESK

Project Number: 773206

Samples Shipment Date: 16-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Tumaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849900

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 [X]

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

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

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

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

1. Received By (Signature/Affiliation) [signature] Date: 5/18/98 Time: 0900

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

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

Comments: 1L TOTAL METALS; 1L FILTERED METALS

Rec'd @ 3°, 7°, 11°, 11°C
w/custody Seals
Intact BPB 5/18/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Rec'd @ 7°C
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		↓
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		↓
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		↓
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Rec'd @ 11°C
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		↓

HSE180160

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		Rec'd @ 11°C
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Rec'd @ 3°C
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9014	PBOW-98-GW-BEDMW4-9014	16-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		Rec'd @ 3°C

Quote #20941

H8E180160

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QEST

Project Number: 773206

Samples Shipment Date: 16-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex801624852159

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)	Date: 5/16/98 Time: 1300	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		

H8E180160

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT CORP PROJECT: PLUMBROOK Lot No.: H8F190177

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received? BKD 5-19-98	✓	✓	
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		✓
k. Were samples screened for radioactivity?	✓		
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓	✓ BKD 5-19-98	
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?			

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5-19-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			✓
b. Informed Login associates of special instructions ?			
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/19/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
ALL	DISS METALS	6B	BKD 5-19-98
~~[illegible]~~	~~[illegible]~~	~~4B~~	~~DID NOT RECEIVE~~

☐ Client informed on _____ by _____. Person contacted: _____.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: _____ Date: _____

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

_____

_____

_____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. KNX PROJECT: PBOW Lot No.: HPE190177

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?	✓		

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?		✓	
c. Were all issues resolved?			✓

LOT FOLDER REVIEWED BY: [signature] DATE: 5/20/98

QA016R7.doc, 01/29/98

148E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QESK

Project Number: 773206

Samples Shipment Date: 18-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Tumaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624850454

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 [X]

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/18/98 Time: 1800

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

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

1. Received By (Signature/Affiliation) [signature] Date: 5-19-98 Time: 09:40

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

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

Comments: 1L TOTAL METALS; 1L FILTERED METALS

Custody seals intact
received at 2°C
BTG 5-19-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5435 /	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5435 /	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5435 /	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5435 /	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5435 /	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5635 /	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5635 /	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		

H8E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1 None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		OID NOT RECEIVE
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	40 ml GVIAL,SEP	3 HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L Amb. Glass	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L Amb. Glass	2 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	2 HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L Amb. Glass	2 None except cool to 4 C	PCBs by SW8081	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9015		18-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

H8E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Project Number: 773208

Samples Shipment Date: 18-MAY-98

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex801824852180

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: 5/18/98 Time: 1800	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

H8E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		

H8E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	F2	CID	Condition On Receipt
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	500 ml HDPE	1	NaOH>pH=12	Total Cyanide by SW-846 9010A	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		

H8E190177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5865	PBOW-98-GW-GCLMW03-5865	17-MAY-98	13:15	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5865	PBOW-98-GW-GCLMW03-5865	17-MAY-98	13:15	1 L HDPE	1	[illegible]	Nitrate by E353.2 in water	N		

Quanterra Environmental Services

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client: IT
Date Received: 5/16/98
Received By: Carol McNulty

Project Name: Plumbrook
Lot Number: H8E160155
CUR Completed By: Carol McNulty

Cooler/Shipping Information:

Type: Cooler X Box ___ Other ___/___

Cooler ID/Track #					
Temp (Celsius)	4°				
Cooler ID/Track #					
Temp (Celsius)	3°				

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL ☒	X		
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Were correct bottles used for the tests indicated?	X		
7. Were proper sample preservation techniques indicated?	X		
8. Were samples received within holding times? If "No," NCM required.	X		
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.	X		
10. Were samples in direct contact with wet ice? If "No," check one: NO ICE ☐ BLUE ICE ☐	X		
11. Were the samples received with a temperature blank? RECORD TEMPERATURE ABOVE If "No," check one: UNABLE TO DETERMINE TEMP ☐ TEMP TAKEN FROM ICE/WATER NEAR SAMPLES ☐	X		
12. Were sample pHs checked and recorded by S.R. (see back for Page 2 - Sample pH)? *NOTE: TOC and VOA samples are checked by laboratory analysts. If response is "Not Inspected," then a pH check is not required/performed by Sample Receiving and Page 2 is not applicable.*	*		Not inspected - Page 2 not completed ☐
13. Were samples accepted into the laboratory?	X		

Comments: * pH's - All CN < 13 All Hardness < 2

Complete if applicable: NCM#: _____ Check one: Notified PM by E-mail ☐ Hard Copy ☐

Project Manager initials/date reviewed: _____

Corrective Action: _____

Corrective Action completed by/date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QEST

Project Number: 773206

Samples Shipment Date: 15-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Tumaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852799

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)	Date: 5/15/98 Time: 1800	1. Received By (Signature/Affiliation) Carol McNulty	Date: 5/16/98 Time: 0900
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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5415	PBOW-98-GW-BG8-BEDGW-001-5415	15-MAY-98	10:40	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5545	PBOW-98-GW-ITMW02-5545	15-MAY-98	09:50	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5685	PBOW-98-GW-WAMW2-5685	15-MAY-98	08:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		

Quanterra
Environmental Services

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client: IT Corp
Date Received: 5-18-98
Received By: J Miller
Project Name: Plumbrook
Lot Number: H8F180160
CUR Completed By: J Miller

Cooler/Shipping Information:
Type: Cooler X Box ____ Other ____/_____

Cooler ID/Track #					
Temp (Celsius)	4°C	4°C			
Cooler ID/Track #					
Temp (Celsius)					

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL ☒	X		
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Were correct bottles used for the tests indicated?	X		
7. Were proper sample preservation techniques indicated?	X		
8. Were samples received within holding times? If "No," NCM required.	X		
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.			X
10. Were samples in direct contact with wet ice? If "No," check one: NO ICE ☐ BLUE ICE ☐	X		
11. Were the samples received with a temperature blank? RECORD TEMPERATURE ABOVE If "No," check one: UNABLE TO DETERMINE TEMP ☐ TEMP TAKEN FROM ICE/WATER NEAR SAMPLES ☐	X		
12. Were sample pHs checked and recorded by S.R. (see back for Page 2 - Sample pH)? *NOTE: TOC and VOA samples are checked by laboratory analysts. If response is "Not Inspected," then a pH check is not required/performed by Sample Receiving and Page 2 is not applicable.*	X		Not inspected - Page 2 not completed ☐
13. Were samples accepted into the laboratory?	X		

Comments:
pH's = all CN 13 all Hardness <2

Complete if applicable: NCM#: _____ Check one: Notified PM by E-mail ☐ Hard Copy ☐
Project Manager initials/date reviewed: MR 5/20/98
Corrective Action: _____

Corrective Action completed by/date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QEST

Project Number: 773206

Samples Shipment Date: 16-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852159

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)	Date: 5/16/98 Time: 1300	1. Received By (Signature/Affiliation)	Date: 5-18-98 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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5535	PBOW-98-GW-ITMW01-5535	16-MAY-98	10:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051698QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5665	PBOW-98-GW-TNTCMW6-5665	16-MAY-98	09:15	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		
5905	PBOW-98-GW-BEDMW14-5905	16-MAY-98	09:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5955	PBOW-98-GW-BEDMW19-5955	16-MAY-98	08:00	1 L HDPE	1	H2SO4<pH 2	Nitrate by E353.2 in water	N		

Quanterra
Environmental Services

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client: IT Corp
Date Received: 5-19-98
Received By: JMle

Project Name: Rhinebeck
Lot Number: H8E190171
CUR Completed By: [signature]

Cooler/Shipping Information:

Type: Cooler ✗ Box ___ Other ___/___

Cooler ID/Track #					
Temp (Celsius)	4°C	4°C	4°C	4°C	4°C
Cooler ID/Track #					
Temp (Celsius)					

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL ☒	X		
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Were correct bottles used for the tests indicated?	X		
7. Were proper sample preservation techniques indicated?	X		
8. Were samples received within holding times? If "No," NCM required.	X		
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.	X		
10. Were samples in direct contact with wet ice? If "No," check one: NO ICE ☐ BLUE ICE ☐	X		
11. Were the samples received with a temperature blank? RECORD TEMPERATURE ABOVE If "No," check one: UNABLE TO DETERMINE TEMP ☐ TEMP TAKEN FROM ICE/WATER NEAR SAMPLES ☐	X		
12. Were sample pHs checked and recorded by S.R. (see back for Page 2 - Sample pH)? *NOTE: TOC and VOA samples are checked by laboratory analysts. If response is "Not Inspected," then a pH check is not required/performed by Sample Receiving and Page 2 is not applicable.*	X		Not inspected - Page 2 not completed ☐
13. Were samples accepted into the laboratory?	X		

Comments:

Complete if applicable: NCM#: ___ Check one: Notified PM by E-mail ☐ Hard Copy ☐

Project Manager initials/date reviewed: MR 5/31/98

Corrective Action: ___

Corrective Action completed by/date: ___

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Project Number: 773206

Samples Shipment Date: 18-MAY-98

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624852160

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: 5/18/98 Time: 1800	1. Received By (Signature/Affiliation) Carol McNulty	Date: 5/19/98 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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5435	PBOW-98-GW-TNTB-BEDGW-002-543	18-MAY-98	09:55	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5635	PBOW-98-GW-TNTCMW3-5635	18-MAY-98	09:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5655	PBOW-98-GW-TNTCMW5-5655	18-MAY-98	08:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5675	PBOW-98-GW-WAMW1-5675	18-MAY-98	11:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5785	PBOW-98-GW-MKMW16-5785	18-MAY-98	13:10	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5825	PBOW-98-GW-MKMW22-5825	18-MAY-98	09:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5855	PBOW-98-GW-GCLMW01-5855	17-MAY-98	13:55	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5865	PBOW-98-GW-GCLMW02A-5865	17-MAY-98	14:35	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5875	PBOW-98-GW-GCLMW02B-5875	17-MAY-98	15:05	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051898QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5885	PBOW-98-GW-GCLMW03-5885	17-MAY-98	13:15	1 L HDPE	1	[redacted]	Nitrate by E353.2 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-GW Dry Season Event
SDG #: PB025

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 30, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB025 : H8E190178

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CH9X8	001	5425	05/18/98	14:00
CH9X9	002	5535R	05/18/98	15:00
CH9XA	003	5645	05/18/98	11:00
CH9XC	004	5665R	05/18/98	14:30
CH9XE	005	5905R	05/18/98	14:45
CH9XF	006	9016	05/18/98	15:00
CH9XG	007	5425	05/18/98	14:00
CH9XH	008	5645	05/18/98	11:00

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

PB025 : H8E200191

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHAWW	001	5595	05/19/98	15:45
CHAX4	002	5815	05/19/98	22:00
CHAXH	003	5945	05/19/98	08:30
CHAXN	004	9017	05/19/98	12:00
CHAXR	005	5595	05/19/98	15:45
CHAXW	006	5815	05/19/98	10:00
CHC00	007	5945	05/19/98	08:30

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

PB025 : H8E220101

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHD6J	001	5695	05/20/98	08:45
CHD6L	002	5696	05/20/98	08:45
CHD6M	003	5705	05/20/98	08:00
CHD6N	004	5715	05/20/98	08:00
CHD6P	005	5845	05/20/98	08:00
CHD6Q	006	9018	05/20/98	09:00
CHD6R	007	5695	05/20/98	08:45
CHD6T	008	5696	05/20/98	08:45
CHD6V	009	5705	05/20/98	08:00
CHD6W	010	5715	05/20/98	09:30
CHD6X	011	5845	05/20/98	07:35

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

PB025

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E200140-005	X	05/20/98	INTRA-LAB QC
B8E210117-001	D	05/21/98	LAB MS/MSD
B8E210117-001	S	05/21/98	LAB MS/MSD
B8E280000-162	L	05/20/98	DUPLICATE CHECK
B8E290000-182	L	05/21/98	DUPLICATE CHECK
B8E290000-192	L	05/21/98	DUPLICATE CHECK
B8F010000-339	L	05/20/98	DUPLICATE CHECK
B8F020000-211	L	05/20/98	DUPLICATE CHECK
B8F030000-154	L	05/22/98	DUPLICATE CHECK
B8F040000-216	L	05/20/98	DUPLICATE CHECK
B8F040000-227	L	05/19/98	DUPLICATE CHECK
B8F040000-228	L	05/20/98	DUPLICATE CHECK
B8F090000-128	L	05/22/98	DUPLICATE CHECK
B8F100000-144	L	05/22/98	DUPLICATE CHECK
B8F120000-140	L	05/29/98	DUPLICATE CHECK
B8F180000-169	L	05/21/98	DUPLICATE CHECK
B8F180000-170	L	05/21/98	DUPLICATE CHECK
H8E180160-001	D	05/18/98	LAB MS/MSD
H8E180160-001	S	05/18/98	LAB MS/MSD
H8E190178-001		05/19/98	5425
H8E190178-001	D	05/19/98	5425
H8E190178-001	S	05/19/98	5425
H8E190178-002		05/19/98	5535R
H8E190178-003		05/19/98	5645
H8E190178-003	D	05/19/98	5645
H8E190178-003	S	05/19/98	5645
H8E190178-004		05/19/98	5665R
H8E190178-005		05/19/98	5905R
H8E190178-006		05/19/98	9016
H8E190178-007		05/19/98	5425

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Quanterra Environmental Services

SDG SAMPLE SUMMARY REPORT

PB025

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E190178-007	D	05/19/98	5425
H8E190178-007	S	05/19/98	5425
H8E190178-008		05/19/98	5645
H8E200000-130	L	05/18/98	DUPLICATE CHECK
H8E200000-278	L	05/16/98	DUPLICATE CHECK
H8E200144-001	D	05/20/98	LAB MS/MSD
H8E200144-001	S	05/20/98	LAB MS/MSD
H8E200144-002	D	05/20/98	LAB MS/MSD
H8E200144-002	S	05/20/98	LAB MS/MSD
H8E200191-001		05/20/98	5595
H8E200191-001	D	05/20/98	5595
H8E200191-001	S	05/20/98	5595
H8E200191-002		05/20/98	5815
H8E200191-003		05/20/98	5945
H8E200191-004		05/20/98	9017
H8E200191-005		05/20/98	5595
H8E200191-006		05/20/98	5815
H8E200191-007		05/20/98	5945
H8E220101-001		05/21/98	5695
H8E220101-002		05/21/98	5696
H8E220101-003		05/21/98	5705
H8E220101-004		05/21/98	5715
H8E220101-005		05/21/98	5845
H8E220101-005	D	05/21/98	5845
H8E220101-005	S	05/21/98	5845
H8E220101-005	X	05/21/98	5845 DUP
H8E220101-006		05/21/98	9018
H8E220101-007		05/21/98	5695
H8E220101-008		05/21/98	5696
H8E220101-009		05/21/98	5705
H8E220101-010		05/21/98	5715
H8E220101-011		05/21/98	5845
H8E220157-001	D	05/22/98	LAB MS/MSD
H8E220157-001	S	05/22/98	LAB MS/MSD
H8E260000-169	L	05/20/98	DUPLICATE CHECK
H8E270000-124	L	05/16/98	DUPLICATE CHECK

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Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB025

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E270000-164	L	05/21/98	DUPLICATE CHECK
H8E270000-246	L	05/21/98	DUPLICATE CHECK
H8E280000-146	L	05/19/98	DUPLICATE CHECK
H8E280186-002	D	05/28/98	LAB MS/MSD
H8E280186-002	S	05/28/98	LAB MS/MSD
H8E290000-109	L	05/19/98	DUPLICATE CHECK
H8E290237-004	D	05/29/98	LAB MS/MSD
H8E290237-004	S	05/29/98	LAB MS/MSD
H8F020185-001	D	06/02/98	LAB MS/MSD
H8F020185-001	S	06/02/98	LAB MS/MSD

Quanterra Environmental Services

ANALYTICAL METHODS SUMMARY

PB025

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

Some surrogate and control analyte recovery limits may have been exceeded. This was due to the implementation and use of the new Archon autosampler and GCMS systems which are now being used for both soil and water analyses. The historical acceptance limits indicated on the attached report forms were based on data from the discreet purge and trap autosamplers. Please refer to the attached table for a list of default control limits which will be used until sufficient data is available to generate new control limits for the newly acquired instrumentation..

Semivolatiles

Recoveries for internal standards and/or surrogates in samples 5695, 5696, 5715, 5905R, and 5705 were outside control limits due to obvious matrix interferences and/or hydrogen-deuterium exchange . Based on historical data and in order preserve the integrity of instrument, the laboratory did not proceed with re-analyses. Also, the following samples had several analytes over the calibration range that were not diluted to bring within calibration range for the above reason; 5715, 5695, 5696, and 5705. These results should be considered as estimated.

Continuing calibration standard di-n-octylphthalate was above percent drift criteria in standard BCC0531. Since the system was biased towards detection of this analyte, and since this analyte was not detected in any of the associated samples, the validity of the data is unaffected and the data are submitted.

Metals

The batch matrix spike/matrix spike duplicate recoveries and/or RPDs were outside control limits for some analytes. However, the laboratory control samples 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

The serial dilution of sample 5425 (total) was outside control limits due to physical or chemical matrix interferences.

Total Dissolved Solids

Samples 5815, 5695, 5705 were re-analyzed outside hold time in order to confirm original results.

Total Organic Carbon

The continuing calibaration check standard referencing samples 5695, 5705 and 5845 was just outside of control limits (due to one of three injection outside of limits by one percent). However, as all other calibration standards and laboratory QC sample results were acceptable, and the average of the other three injection results were acceptable, the data are submitted as is.

Nitrate

The batch matrix spike/matrix spike duplicate recoveries were outside control limits. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The results are, therefore, attributed to matrix effects.

COMMENTS:

Volatiles

Samples 5535R and 5945 were reported with elevated reporting limits for all analytes. Based on screening results, a dilution was necessary prior to analysis; the reporting limits were adjusted accordingly.

Semivolatiles

The concentration of 2-methylphenol in sample 5815 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.

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PROJECT NARRATIVE

COMMENTS (continued):

PCBs

Samples 5945, 5695, 5696, and 5705 were reported with elevated reporting limits for all analytes due to the difficult sample matrix. The lowest dilutions that could be analyzed were performed; reporting limits were adjusted accordingly.

Explosives

Samples 5425, 5905R, 5815 and 5945 were reported with elevated reporting limits for one or more analytes due to the difficult sample matrix.

Metals

Several samples were diluted due to high analyte concentrations and/or matrix interferences.

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Quanterra
Environmental Services

Quanterra Incorporated
Knoxville Laboratory

Default QC Limits for 8260A/B
June 1998

8260A/B LCS/LCSD

Matrix	Spiked Analyte	Lower Limit	Upper Limit	RPD
Soil	1,1-dichloroethene	67	137	30
	Benzene	70	130	30
	Trichloroethene	68	130	30
	Toluene	70	130	30
	Chlorobenzene	70	130	30
	Dibromofluoromethane*	64	135	
	1,2-Dichloroethane-d4	64	135	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	147	
Water	1,1-dichloroethene	70	131	20
(5ml)	Benzene	70	130	20
	Trichloroethene	70	130	20
	Toluene	70	130	20
	Chlorobenzene	70	130	20
	Dibromofluoromethane*	70	130	
	1,2-Dichloroethane-d4	70	130	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	130	

8260A/B MS/MSD

Matrix	Spiked Analyte	Lower Limit	Upper Limit	RPD
Soil	1,1-dichloroethene	64	146	30
	Benzene	70	130	30
	Trichloroethene	41	151	30
	Toluene	69	132	30
	Chlorobenzene	67	130	30
	Dibromofluorormethane*	64	135	
	1,2-Dichloroethane-d4	64	135	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	147	
Water	1,1-dichloroethene	70	131	20
(5ml)	Benzene	70	130	20
	Trichloroethene	70	130	20
	Toluene	70	130	20
	Chlorobenzene	70	130	20
	Dibromofluoromethane*	70	130	
	1,2-Dichloroethane-d4	70	130	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	130	

Quanterra
Environmental Services

Default QC Limits for 8260A/B
June 1998

8260A/B 25 ml Purge LCS/LCSD &MS/MSD

Matrix	Spiked Analyte	Lower Limit	Upper Limit	RPD
Water	1,1-dichloroethene	70	137	20
(25ml)	Benzene	70	130	20
	Trichloroethene	70	130	20
	Toluene	70	130	20
	Chlorobenzene	70	130	20
	Dibromofluoromethane*	67	130	
	1,2-Dichloroethane-d4	67	130	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	130	

8260B Methanol LCS/LCSD & MS/MSD

Matrix	Spiked Analyte	Lower Limit	Upper Limit	RPD
Soil	1,1-dichloroethene	43	130	30
	Benzene	57	139	30
	Trichloroethene	62	144	30
	Toluene	45	147	30
	Chlorobenzene	56	147	30
	Dibromofluoromethane*	64	135	
	1,2-Dichloroethane-d4	64	135	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	147	

8260A/B TCLP LCS & MS/MSD**

Matrix	Spiked Analyte	Lower Limit	Upper Limit	RPD
Air	Vinyl Chloride	62 (51)	141 (142)	30
	1,1-dichloroethylene	70	130 (134)	30
	Chloroform	70	130	30
	1,2-Dichloroethane	70	130	30
	Methyl ethyl ketone	41	135 (147)	30
	Carbon tetrachloride	70 (67)	131	30
	Trichloroethylene	70	130	30
	Benzene	70	130	30
	Tetrachloroethylene	70	130	30
	Chlorobenzene	70	130	30
	Dibromofluoromethane*	70	130	
	1,2-Dichloroethane-d4	70	130	
	Toluene-d8	70	130	
	4-Bromofluorobenzene	70	130	

- * Additional Surrogate for 8260B
- ** MS/MSD limits are in parentheses where different than LCS limits

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

GC/MS Volatiles

Lot-Sample #...: H8E190178-001 **Work Order #...:** CH9X8101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**1.9 J,B**	**10**	**ug/L**
Carbon disulfide	**7.2**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	**0.19 J**	**1.0**	**ug/L**
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

GC/MS Volatiles

Lot-Sample #...: H8E190178-001 Work Order #...: CH9X8101 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: 5535R

GC/MS Volatiles

Lot-Sample #...: H8E190178-002 **Work Order #...:** CH9X9301 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149109
Dilution Factor: 2 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	**0.58 J**	**2.0**	**ug/L**
Acetone	ND	20	ug/L
Carbon disulfide	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Benzene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Toluene	**22**	**2.0**	**ug/L**
Chlorobenzene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(67 - 128)
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	114 *	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535R

GC/MS Volatiles

Lot-Sample #...: H8E190178-002 Work Order #...: CH9X9301 Matrix.....: WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

GC/MS Volatiles

Lot-Sample #...: H8E190178-003 **Work Order #...:** CH9XA101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/27/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8147124
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

GC/MS Volatiles

Lot-Sample #...: H8E190178-003 Work Order #...: CH9XA101 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: 5665R

GC/MS Volatiles

Lot-Sample #...: H8E190178-004 **Work Order #...:** CH9XC101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**1.7 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**22**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	111	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665R

GC/MS Volatiles

Lot-Sample #...: H8E190178-004 Work Order #...: CH9XC101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC/MS Volatiles

Lot-Sample #...: H8E190178-005 **Work Order #...:** CH9XE101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	111	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC/MS Volatiles

Lot-Sample #...: H8E190178-005 **Work Order #...:** CH9XE101 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1 **Method.....:** SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	111	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC/MS Volatiles

Lot-Sample #...: H8E190178-005 Work Order #...: CH9XE101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 9016

GC/MS Volatiles

Lot-Sample #...:	H8E190178-006	**Work Order #...:**	CH9XF101	**Matrix.....:**	WATER
Date Sampled...:	05/18/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/27/98	**Analysis Date..:**	05/28/98		
Prep Batch #...:	8147124				
Dilution Factor:	1	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**3.5 J,B**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.23 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.15 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	102	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9016

GC/MS Volatiles

Lot-Sample #...: H8E190178-006 Work Order #...: CH9XF101 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: 5595

GC/MS Volatiles

Lot-Sample #...: H8E200191-001 **Work Order #...:** CHAWW201 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.16 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**17**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	107	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

GC/MS Volatiles

Lot-Sample #...: H8E200191-001 Work Order #...: CHAWW201 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

GC/MS Volatiles

Lot-Sample #...: H8E200191-003 **Work Order #...:** CHAXH201 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149109
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.4 J**	**5.0**	**ug/L**
Acetone	**34 J**	**50**	**ug/L**
Carbon disulfide	**7.9**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**5.7**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**53**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**88**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**420**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	106	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

GC/MS Volatiles

Lot-Sample #...: H8E200191-003 Work Order #...: CHAXH201 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 9017

GC/MS Volatiles

Lot-Sample #...:	H8E200191-004	**Work Order #...:**	CHAXN101	**Matrix.....:**	WATER
Date Sampled...:	05/19/98	**Date Received..:**	05/20/98		
Prep Date.....:	05/27/98	**Analysis Date..:**	05/27/98		
Prep Batch #...:	8147124				
Dilution Factor:	1	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**3.0 J,B**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.25 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.17 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(67 - 128)
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	99	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9017

GC/MS Volatiles

Lot-Sample #...: H8E200191-004 Work Order #...: CHAXN101 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: 5695

GC/MS Volatiles

Lot-Sample #...: H8E220101-001 **Work Order #...:** CHD6J201 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.37 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.31 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**0.17 J**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.82 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	82	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

GC/MS Volatiles

Lot-Sample #...: H8E220101-001 **Work Order #...:** CHD6J201 **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: 5696

GC/MS Volatiles

Lot-Sample #...: H8E220101-002 Work Order #...: CHD6L101 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98
Prep Date.....: 05/30/98 Analysis Date..: 05/30/98
Prep Batch #...: 8150122
Dilution Factor: 1 Method.....: SW846 8260A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	108	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	108	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

GC/MS Volatiles

Lot-Sample #...: H8E220101-002 Work Order #...: CHD6L101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

GC/MS Volatiles

Lot-Sample #...: H8E220101-003 **Work Order #...:** CHD6M201 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.31 J,B**	**1.0**	**ug/L**
Acetone	**15**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.74 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**14**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	**0.23 J**	**1.0**	**ug/L**
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	**2.0 J**	**5.0**	**ug/L**
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.38 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.44 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	85	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

GC/MS Volatiles

Lot-Sample #...: H8E220101-003 Work Order #...: CHD6M201 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: 5715

GC/MS Volatiles

Lot-Sample #...: H8E220101-004 **Work Order #...:** CHD6N201 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.35 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.47 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**1.5**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**1.5**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**8.0**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

GC/MS Volatiles

Lot-Sample #...: H8E220101-004 Work Order #...: CHD6N201 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: 5845

GC/MS Volatiles

Lot-Sample #...: H8E220101-005 **Work Order #...:** CHD6P201 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.29 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**10**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	91	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

GC/MS Volatiles

Lot-Sample #...: H8E220101-005 Work Order #...: CHD6P201 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: 9018

GC/MS Volatiles

Lot-Sample #...: H8E220101-006 **Work Order #...:** CHD6Q101 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/30/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8150122
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	**2.4 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.19 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.13 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	107	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	102	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9018

GC/MS Volatiles

Lot-Sample #...: H8E220101-006 Work Order #...: CHD6Q101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHFNH101 **Matrix.....:** WATER
MB Lot-Sample #: H8E270000-124

Prep Date.....: 05/27/98
Analysis Date..: 05/27/98 **Prep Batch #...:** 8147124
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	**3.1 J**	**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	**1.7 J**	**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	**0.74 J**	**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
Dibromofluoromethane	90	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	100	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHFNH101 **Matrix.....:** WATER

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHFNH102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E270000-124 CHFNH103-LCSD
Prep Date.....: 05/27/98 **Analysis Date..:** 05/27/98
Prep Batch #...: 8147124
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(70 - 137)**			**SW846 8260A**
	94	**(70 - 137)**	**1.6**	**(0-12)**	**SW846 8260A**
Benzene	**91**	**(76 - 123)**			**SW846 8260A**
	91	**(76 - 123)**	**0.68**	**(0-10)**	**SW846 8260A**
Trichloroethene	**90**	**(75 - 129)**			**SW846 8260A**
	90	**(75 - 129)**	**0.15**	**(0-14)**	**SW846 8260A**
Toluene	**95**	**(77 - 115)**			**SW846 8260A**
	95	**(77 - 115)**	**0.71**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**93**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**0.14**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(67 - 128)
	93	(67 - 128)
1,2-Dichloroethane-d4	97	(67 - 128)
	97	(67 - 128)
Toluene-d8	97	(71 - 119)
	98	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)
	91	(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 #...: PB025 **Work Order #...:** CHGQN101 **Matrix.....:** WATER
MB Lot-Sample #: H8E280000-146

Prep Date.....: 05/28/98
Analysis Date..: 05/28/98 **Prep Batch #...:** 8148146
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
Dibromofluoromethane	89	(67 - 128)
1,2-Dichloroethane-d4	96	(67 - 128)
Toluene-d8	99	(71 - 119)
4-Bromofluorobenzene	112 *	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHGQN101 **Matrix.....:** WATER

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHGQN102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E280000-146 CHGQN103-LCSD
Prep Date.....: 05/28/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8148146
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**96**	**(70 - 137)**			**SW846 8260A**
	93	**(70 - 137)**	**3.0**	**(0-12)**	**SW846 8260A**
Benzene	**93**	**(76 - 123)**			**SW846 8260A**
	96	**(76 - 123)**	**2.3**	**(0-10)**	**SW846 8260A**
Trichloroethene	**91**	**(75 - 129)**			**SW846 8260A**
	91	**(75 - 129)**	**0.71**	**(0-14)**	**SW846 8260A**
Toluene	**95**	**(77 - 115)**			**SW846 8260A**
	95	**(77 - 115)**	**0.22**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**92**	**(78 - 116)**			**SW846 8260A**
	93	**(78 - 116)**	**0.74**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(67 - 128)
	94	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
	94	(67 - 128)
Toluene-d8	97	(71 - 119)
	96	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)
	98	(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 #...: PB025 **Work Order #...:** CHHMT101 **Matrix.....:** WATER
MB Lot-Sample #: H8E290000-109

Prep Date.....: 05/29/98
Analysis Date..: 05/29/98 **Prep Batch #...:** 8149109
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
Dibromofluoromethane	93	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	101	(71 - 119)
4-Bromofluorobenzene	120 *	(76 - 111)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHHMT101 **Matrix.....:** WATER

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHHMT102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E290000-109 CHHMT103-LCSD
Prep Date.....: 05/29/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8149109
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**85**	**(70 - 137)**			**SW846 8260A**
	84	**(70 - 137)**	**0.80**	**(0-12)**	**SW846 8260A**
Benzene	**91**	**(76 - 123)**			**SW846 8260A**
	90	**(76 - 123)**	**0.69**	**(0-10)**	**SW846 8260A**
Trichloroethene	**89**	**(75 - 129)**			**SW846 8260A**
	90	**(75 - 129)**	**1.6**	**(0-14)**	**SW846 8260A**
Toluene	**89**	**(77 - 115)**			**SW846 8260A**
	87	**(77 - 115)**	**2.2**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**88**	**(78 - 116)**			**SW846 8260A**
	87	**(78 - 116)**	**1.4**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
	97	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
	102	(67 - 128)
Toluene-d8	99	(71 - 119)
	99	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)
	98	(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 #...: PB025 **Work Order #...:** CHKFN101 **Matrix.....:** WATER
MB Lot-Sample #: H8E300000-122

Prep Date.....: 05/30/98
Analysis Date..: 05/30/98 **Prep Batch #...:** 8150122
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
Dibromofluoromethane	94	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	115 *	(76 - 111)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHKFN101 **Matrix.....:** WATER

NOTE(S):

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

* *Surrogate recovery is outside stated control limits.*

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHKFN102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E300000-122
Prep Date.....: 05/30/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8150122
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**85**	**(70 - 137)**	**SW846 8260A**
Benzene	**93**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**89**	**(75 - 129)**	**SW846 8260A**
Toluene	**89**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**88**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	98	(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 #...: PB025 **Work Order #...:** CHKWD101 **Matrix.....:** WATER
MB Lot-Sample #: H8F010000-168

Prep Date.....: 06/01/98
Analysis Date..: 06/01/98 **Prep Batch #...:** 8152168
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	**0.51 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
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	88	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHKWD101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB025 **Work Order #...:** CHKWD102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F010000-168
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**94**	**(70 - 137)**	**SW846 8260A**
Benzene	**96**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**104**	**(75 - 129)**	**SW846 8260A**
Toluene	**96**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**101**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	87	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	85	(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: 5425

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-001 **Work Order #...:** CH9X8102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/25/98 **Analysis Date..:** 05/31/98
Prep Batch #...: 8145113
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-001 **Work Order #...:** CH9X8102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**13**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	98	(37 - 115)
2-Fluorobiphenyl	74	(43 - 116)
2,4,6-Tribromophenol	64	(27 - 127)
Terphenyl-d14	96	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-002 Work Order #...: CH9X9102 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98
Prep Date.....: 05/25/98 Analysis Date..: 05/31/98
Prep Batch #...: 8145113
Dilution Factor: 1 Method.....: SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5535R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-002 Work Order #...: CH9X9102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(27 - 106)
Phenol-d5	67	(27 - 111)
Nitrobenzene-d5	82	(37 - 115)
2-Fluorobiphenyl	65	(43 - 116)
2,4,6-Tribromophenol	58	(27 - 127)
Terphenyl-d14	61	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-003 Work Order #...: CH9XA102 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98
Prep Date.....: 05/25/98 Analysis Date..: 05/31/98
Prep Batch #...: 8145113
Dilution Factor: 1 Method.....: SW846 8270B

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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-003 Work Order #...: CH9XA102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(27 - 106)
Phenol-d5	61	(27 - 111)
Nitrobenzene-d5	69	(37 - 115)
2-Fluorobiphenyl	60	(43 - 116)
2,4,6-Tribromophenol	58	(27 - 127)
Terphenyl-d14	72	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-004 Work Order #...: CH9XC102 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98
Prep Date.....: 05/25/98 Analysis Date..: 05/31/98
Prep Batch #...: 8145113
Dilution Factor: 1 Method.....: SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5665R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-004 Work Order #...: CH9XC102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(27 - 106)
Phenol-d5	57	(27 - 111)
Nitrobenzene-d5	64	(37 - 115)
2-Fluorobiphenyl	53	(43 - 116)
2,4,6-Tribromophenol	53	(27 - 127)
Terphenyl-d14	46	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-005 **Work Order #...:** CH9XE102 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/25/98 **Analysis Date..:** 05/31/98
Prep Batch #...: 8145113
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	**5.8 J**	**10**	**ug/L**
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	**14 J**	**50**	**ug/L**
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**16**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC/MS Semivolatiles

Lot-Sample #...: H8E190178-005 Work Order #...: CH9XE102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	91	(37 - 115)
2-Fluorobiphenyl	71	(43 - 116)
2,4,6-Tribromophenol	72	(27 - 127)
Terphenyl-d14	2.6 *	(33 - 141)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-001 Work Order #...: CHAWW102 Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98
Prep Date.....: 05/25/98 Analysis Date..: 05/30/98
Prep Batch #...: 8145113
Dilution Factor: 1 Method.....: SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-001 **Work Order #...:** CHAWW102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**9.6 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(27 - 106)
Phenol-d5	55	(27 - 111)
Nitrobenzene-d5	61	(37 - 115)
2-Fluorobiphenyl	53	(43 - 116)
2,4,6-Tribromophenol	53	(27 - 127)
Terphenyl-d14	81	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-002 **Work Order #...:** CHAX4102 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/25/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8145113
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**12**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**260 E**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**120**	**10**	**ug/L**
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-002 Work Order #...: CHAX4102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(27 - 106)
Phenol-d5	61	(27 - 111)
Nitrobenzene-d5	63	(37 - 115)
2-Fluorobiphenyl	51	(43 - 116)
2,4,6-Tribromophenol	51	(27 - 127)
Terphenyl-d14	72	(33 - 141)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-002 **Work Order #...:** CHAX4202 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/25/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8145113
Dilution Factor: 5 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Methylphenol	**240 D**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(27 - 106)
Phenol-d5	49	(27 - 111)
Nitrobenzene-d5	54	(37 - 115)
2-Fluorobiphenyl	51	(43 - 116)
2,4,6-Tribromophenol	70	(27 - 127)
Terphenyl-d14	65	(33 - 141)

NOTE(S):

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-003 **Work Order #...:** CHAXH102 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/25/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8145113
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**3.3 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**4.0 J**	**10**	**ug/L**
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**11**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**10**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**5.0 J**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

GC/MS Semivolatiles

Lot-Sample #...: H8E200191-003 Work Order #...: CHAXH102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**16**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(27 - 106)
Phenol-d5	63	(27 - 111)
Nitrobenzene-d5	67	(37 - 115)
2-Fluorobiphenyl	57	(43 - 116)
2,4,6-Tribromophenol	50	(27 - 127)
Terphenyl-d14	80	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-001 **Work Order #...:** CHD6J102 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8147246
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	**13**	**10**	**ug/L**
Isophorone	ND	10	ug/L
2-Nitrophenol	**6.6 J**	**10**	**ug/L**
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**1800 E,ISB**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-001 Work Order #...: CHD6J102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	**12000 E,ISB**	**50**	**ug/L**
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**20**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
Phenol-d5	74	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	101	(43 - 116)
2,4,6-Tribromophenol	87	(27 - 127)
Terphenyl-d14	97	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

ISB Estimated result. The associated internal standard is outside laboratory acceptance criteria.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-002 **Work Order #...:** CHD6L102 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8147246
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	**12**	**10**	**ug/L**
Isophorone	ND	10	ug/L
2-Nitrophenol	**5.9 J**	**10**	**ug/L**
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	**11 J**	**50**	**ug/L**
Dibenzofuran	**6.5 J**	**10**	**ug/L**
2,4-Dinitrotoluene	**1800 E**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-002 Work Order #...: CHD6L102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**28**	**10**	**ug/L**
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	**11000 E**	**50**	**ug/L**
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(27 - 106)
Phenol-d5	52	(27 - 111)
Nitrobenzene-d5	58	(37 - 115)
2-Fluorobiphenyl	94	(43 - 116)
2,4,6-Tribromophenol	67	(27 - 127)
Terphenyl-d14	73	(33 - 141)

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: 5705

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-003 Work Order #...: CHD6M102 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98
Prep Date.....: 05/27/98 Analysis Date..: 06/08/98
Prep Batch #...: 8147246
Dilution Factor: 1 Method.....: SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	**14**	**10**	**ug/L**
Isophorone	ND	10	ug/L
2-Nitrophenol	**15**	**10**	**ug/L**
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	**3800 E**	**50**	**ug/L**
4-Nitrophenol	**42 J**	**50**	**ug/L**
Dibenzofuran	**620 E**	**10**	**ug/L**
2,4-Dinitrotoluene	**1700 E**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-003 Work Order #...: CHD6M102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**44**	**10**	**ug/L**
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	**20000 E**	**50**	**ug/L**
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	24 *	(27 - 106)
Phenol-d5	31	(27 - 111)
Nitrobenzene-d5	39	(37 - 115)
2-Fluorobiphenyl	95	(43 - 116)
2,4,6-Tribromophenol	45	(27 - 127)
Terphenyl-d14	135	(33 - 141)

NOTE(S):

* Surrogate recovery is outside stated control limits.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-004 **Work Order #...:** CHD6N102 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8147246
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**120**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-004 **Work Order #...:** CHD6N102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	**280 E**	**50**	**ug/L**
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	56	(27 - 106)
Phenol-d5	69	(27 - 111)
Nitrobenzene-d5	81	(37 - 115)
2-Fluorobiphenyl	96	(43 - 116)
2,4,6-Tribromophenol	104	(27 - 127)
Terphenyl-d14	34	(33 - 141)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-005 **Work Order #...:** CHD6P102 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8147246
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

GC/MS Semivolatiles

Lot-Sample #...: H8E220101-005 Work Order #...: CHD6P102 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	41	(27 - 106)
Phenol-d5	48	(27 - 111)
Nitrobenzene-d5	56	(37 - 115)
2-Fluorobiphenyl	66	(43 - 116)
2,4,6-Tribromophenol	46	(27 - 127)
Terphenyl-d14	51	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB025 **Work Order #...:** CHF4R101 **Matrix.....:** WATER
MB Lot-Sample #: H8E250000-113

Prep Date.....: 05/25/98
Analysis Date..: 05/30/98 **Prep Batch #...:** 8145113
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 #...: PB025 **Work Order #...:** CHF4R101 **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	74	(27 - 106)
Phenol-d5	82	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	81	(43 - 116)
2,4,6-Tribromophenol	65	(27 - 127)
Terphenyl-d14	104	(33 - 141)

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 #...: PB025 **Work Order #...:** CHF4R102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E250000-113
Prep Date.....: 05/25/98 **Analysis Date..:** 05/30/98
Prep Batch #...: 8145113
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**74**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**77**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**79**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**72**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**84**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**82**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**87**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**84**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**81**	**(20 - 123)**	**SW846 8270B**
Pyrene	**118**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(27 - 106)
Phenol-d5	78	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	71	(27 - 127)
Terphenyl-d14	112	(33 - 141)

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 #...: PB025 **Work Order #...:** CHG6T101 **Matrix.....:** WATER
MB Lot-Sample #: H8E270000-246

Prep Date.....: 05/27/98
Analysis Date..: 06/08/98 **Prep Batch #...:** 8147246
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 #...: PB025 **Work Order #...:** CHG6T101 **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	68	(27 - 106)
Phenol-d5	89	(27 - 111)
Nitrobenzene-d5	92	(37 - 115)
2-Fluorobiphenyl	86	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	82	(33 - 141)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB025 **Work Order #...:** CHG6T102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E270000-246 CHG6T103-LCSD
Prep Date.....: 05/27/98 **Analysis Date..:** 06/11/98
Prep Batch #...: 8147246
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**68**	**(28 - 113)**			**SW846 8270B**
	75	**(28 - 113)**	**9.5**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**72**	**(52 - 103)**			**SW846 8270B**
	78	**(52 - 103)**	**7.8**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**66**	**(40 - 100)**			**SW846 8270B**
	69	**(40 - 100)**	**4.8**	**(0-20)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**68**	**(22 - 125)**			**SW846 8270B**
	68	**(22 - 125)**	**0.29**	**(0-21)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**73**	**(49 - 100)**			**SW846 8270B**
	78	**(49 - 100)**	**6.4**	**(0-20)**	**SW846 8270B**
4-Chloro-3-methylphenol	**79**	**(54 - 110)**			**SW846 8270B**
	83	**(54 - 110)**	**5.3**	**(0-20)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**			**SW846 8270B**
	83	**(58 - 113)**	**4.7**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**74**	**(18 - 135)**			**SW846 8270B**
	79	**(18 - 135)**	**6.3**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**88**	**(59 - 120)**			**SW846 8270B**
	91	**(59 - 120)**	**2.4**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**39**	**(20 - 123)**			**SW846 8270B**
	45	**(20 - 123)**	**15**	**(0-31)**	**SW846 8270B**
Pyrene	**83**	**(54 - 122)**			**SW846 8270B**
	87	**(54 - 122)**	**4.9**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(27 - 106)
	62	(27 - 106)
Phenol-d5	70	(27 - 111)
	79	(27 - 111)
Nitrobenzene-d5	78	(37 - 115)
	86	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
	88	(43 - 116)
2,4,6-Tribromophenol	78	(27 - 127)
	86	(27 - 127)
Terphenyl-d14	83	(33 - 141)
	91	(33 - 141)

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: 5425

GC Semivolatiles

Lot-Sample #...:	H8E190178-001	**Work Order #...:**	CH9X8103	**Matrix.....:**	WATER
Date Sampled...:	05/18/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8140130				
Dilution Factor:	1	**Method.....:**	SW846 8081		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
Decachlorobiphenyl	125	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535R

GC Semivolatiles

Lot-Sample #...: H8E190178-002 **Work Order #...:** CH9X9103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(30 - 133)
Decachlorobiphenyl	92	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

GC Semivolatiles

Lot-Sample #...:	H8E190178-003	**Work Order #...:**	CH9XA103	**Matrix.....:**	WATER
Date Sampled...:	05/18/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	06/09/98		
Prep Batch #...:	8140130				
Dilution Factor:	1	**Method.....:**	SW846 8081		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	114	(30 - 133)
Decachlorobiphenyl	98	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665R

GC Semivolatiles

Lot-Sample #...: H8E190178-004 **Work Order #...:** CH9XC103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(30 - 133)
Decachlorobiphenyl	107	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

GC Semivolatiles

Lot-Sample #...: H8E190178-005 **Work Order #...:** CH9XE103 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(30 - 133)
Decachlorobiphenyl	78	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

GC Semivolatiles

Lot-Sample #...: H8E200191-001 **Work Order #...:** CHAWW103 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8146169
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(30 - 133)
Decachlorobiphenyl	72	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

GC Semivolatiles

Lot-Sample #...: H8E200191-002 **Work Order #...:** CHAX4103 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/18/98
Prep Batch #...: 8146169
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(30 - 133)
Decachlorobiphenyl	79	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

GC Semivolatiles

Lot-Sample #...:	H8E200191-003	**Work Order #...:**	CHAXH103	**Matrix.....:**	WATER
Date Sampled...:	05/19/98	**Date Received..:**	05/20/98		
Prep Date.....:	05/26/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8146169				
Dilution Factor:	10	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	10	ug/L
Aroclor 1221	ND	10	ug/L
Aroclor 1232	ND	10	ug/L
Aroclor 1242	ND	10	ug/L
Aroclor 1248	ND	10	ug/L
Aroclor 1254	ND	10	ug/L
Aroclor 1260	ND	10	ug/L

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: 5695

GC Semivolatiles

Lot-Sample #...: H8E220101-001 **Work Order #...:** CHD6J103 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/18/98
Prep Batch #...: 8146169
Dilution Factor: 50 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	50	ug/L
Aroclor 1221	ND	50	ug/L
Aroclor 1232	ND	50	ug/L
Aroclor 1242	ND	50	ug/L
Aroclor 1248	ND	50	ug/L
Aroclor 1254	ND	50	ug/L
Aroclor 1260	ND	50	ug/L

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: 5696

GC Semivolatiles

Lot-Sample #...:	H8E220101-002	**Work Order #...:**	CHD6L103	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/26/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8146169				
Dilution Factor:	50	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	50	ug/L
Aroclor 1221	ND	50	ug/L
Aroclor 1232	ND	50	ug/L
Aroclor 1242	ND	50	ug/L
Aroclor 1248	ND	50	ug/L
Aroclor 1254	ND	50	ug/L
Aroclor 1260	ND	50	ug/L

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: 5705

GC Semivolatiles

Lot-Sample #...:	H8E220101-003	**Work Order #...:**	CHD6M103	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/26/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8146169				
Dilution Factor:	50	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	50	ug/L
Aroclor 1221	ND	50	ug/L
Aroclor 1232	ND	50	ug/L
Aroclor 1242	ND	50	ug/L
Aroclor 1248	ND	50	ug/L
Aroclor 1254	ND	50	ug/L
Aroclor 1260	ND	50	ug/L

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: 5715

GC Semivolatiles

Lot-Sample #...:	H8E220101-004	**Work Order #...:**	CHD6N103	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/26/98	**Analysis Date..:**	06/19/98		
Prep Batch #...:	8146169				
Dilution Factor:	1	**Method.....:**	SW846 8081		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	1680 *	(30 - 133)
Decachlorobiphenyl	46	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

GC Semivolatiles

Lot-Sample #...: H8E220101-005 **Work Order #...:** CHD6P103 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8146169
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(30 - 133)
Decachlorobiphenyl	50	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB025 **Work Order #...:** CHA1D101 **Matrix.....:** WATER
MB Lot-Sample #: H8E200000-130

Prep Date.....: 05/20/98
Analysis Date..: 06/09/98 **Prep Batch #...:** 8140130
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	104	(30 - 133)
Decachlorobiphenyl	117	(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 #...: PB025 **Work Order #...:** CHA1D102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E200000-130 CHA1D103-LCSD
Prep Date.....: 05/20/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8140130
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**119**	**(70 - 158)**			**SW846 8081**
	120	**(70 - 158)**	**1.5**	**(0-25)**	**SW846 8081**
Aroclor 1260	**103**	**(70 - 158)**			**SW846 8081**
	108	**(70 - 158)**	**5.1**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(30 - 133)
	102	(30 - 133)
Decachlorobiphenyl	122	(30 - 139)
	133	(30 - 139)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB025 **Work Order #...:** CHF9N101 **Matrix.....:** WATER
MB Lot-Sample #: H8E260000-169

Prep Date.....: 05/26/98
Analysis Date..: 06/10/98 **Prep Batch #...:** 8146169
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	107	(30 - 133)
Decachlorobiphenyl	114	(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 #...: PB025 **Work Order #...:** CHF9N102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E260000-169 CHF9N103-LCSD
Prep Date.....: 05/26/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8146169
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**114**	**(70 - 158)**			**SW846 8081**
	114	**(70 - 158)**	**0.010**	**(0-25)**	**SW846 8081**
Aroclor 1260	**101**	**(70 - 158)**			**SW846 8081**
	103	**(70 - 158)**	**1.8**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	116	(30 - 133)
	115	(30 - 133)
Decachlorobiphenyl	103	(30 - 139)
	106	(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: 5425

HPLC

Lot-Sample #...: H8E190178-001 **Work Order #...:** CH9X810V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND G	3.1	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
HMX	ND	0.50	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L
RDX	ND	0.50	ug/L
Tetryl	ND G	3.4	ug/L
1,3,5-Trinitrobenzene	ND G	0.62	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	109	(39 - 157)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5535R

HPLC

Lot-Sample #...: H8E190178-002 **Work Order #...:** CH9X9104 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

HPLC

Lot-Sample #...: H8E190178-003 **Work Order #...:** CH9XA10V **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5665R

HPLC

Lot-Sample #...: H8E190178-004 **Work Order #...:** CH9XC104 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98
Prep Date.....: 05/20/98 **Analysis Date..:** 05/24/98
Prep Batch #...: 8140278
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5905R

HPLC

Lot-Sample #...:	H8E190178-005	**Work Order #...:**	CH9XE104	**Matrix.....:**	WATER
Date Sampled...:	05/18/98	**Date Received..:**	05/19/98		
Prep Date.....:	05/20/98	**Analysis Date..:**	05/24/98		
Prep Batch #...:	8140278				
Dilution Factor:	20	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	4.0	ug/L
1,3-Dinitrobenzene	ND	4.0	ug/L
2,4-Dinitrotoluene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	4.0	ug/L
HMX	ND	10	ug/L
Nitrobenzene	ND	4.0	ug/L
2-Nitrotoluene	ND	4.0	ug/L
3-Nitrotoluene	ND	4.0	ug/L
RDX	ND	10	ug/L
Tetryl	ND	4.0	ug/L
1,3,5-Trinitrobenzene	ND	4.0	ug/L
2,4,6-Trinitrotoluene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5595

HPLC

Lot-Sample #...: H8E200191-001 **Work Order #...:** CHAWW10V **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8147161
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

HPLC

Lot-Sample #...: H8E200191-002 **Work Order #...:** CHAX410V **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98
Prep Date.....: 05/26/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8147161
Dilution Factor: 5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L
1,3-Dinitrobenzene	ND G	16	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
HMX	ND	2.5	ug/L
Nitrobenzene	ND	1.0	ug/L
2-Nitrotoluene	ND	1.0	ug/L
3-Nitrotoluene	ND	1.0	ug/L
RDX	ND	2.5	ug/L
Tetryl	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
2,4,6-Trinitrotoluene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	75	(39 - 157)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

HPLC

Lot-Sample #...:	H8E200191-003	**Work Order #...:**	CHAXH10V	**Matrix.....:**	WATER
Date Sampled...:	05/19/98	**Date Received..:**	05/20/98		
Prep Date.....:	05/26/98	**Analysis Date..:**	06/15/98		
Prep Batch #...:	8147161				
Dilution Factor:	1	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND G	0.36	ug/L
2,4-Dinitrotoluene	**0.49**	**0.20**	**ug/L**
2,6-Dinitrotoluene	**3.6**	**0.20**	**ug/L**
HMX	ND	0.50	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L
RDX	ND	0.50	ug/L
Tetryl	ND	0.20	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	121	(39 - 157)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

HPLC

Lot-Sample #...:	H8E220101-001	**Work Order #...:**	CHD6J10V	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/27/98	**Analysis Date..:**	06/02/98		
Prep Batch #...:	8147164				
Dilution Factor:	4000	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	800	ug/L
1,3-Dinitrobenzene	**2000**	**800**	**ug/L**
2,4-Dinitrotoluene	**1600**	**800**	**ug/L**
2,6-Dinitrotoluene	ND	800	ug/L
HMX	ND	2000	ug/L
Nitrobenzene	ND	800	ug/L
2-Nitrotoluene	ND	800	ug/L
3-Nitrotoluene	ND	800	ug/L
RDX	ND	2000	ug/L
Tetryl	ND	800	ug/L
1,3,5-Trinitrobenzene	**2800**	**800**	**ug/L**
2,4,6-Trinitrotoluene	ND	800	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5696

HPLC

Lot-Sample #...: H8E220101-002 **Work Order #...:** CHD6L10V **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/19/98
Prep Batch #...: 8147164
Dilution Factor: 4000 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	800	ug/L
1,3-Dinitrobenzene	**5200**	**800**	**ug/L**
2,4-Dinitrotoluene	**4100**	**800**	**ug/L**
2,6-Dinitrotoluene	ND	800	ug/L
HMX	ND	2000	ug/L
Nitrobenzene	ND	800	ug/L
2-Nitrotoluene	ND	800	ug/L
3-Nitrotoluene	ND	800	ug/L
RDX	ND	2000	ug/L
Tetryl	ND	800	ug/L
1,3,5-Trinitrobenzene	**6900**	**800**	**ug/L**
2,4,6-Trinitrotoluene	ND	800	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5705

HPLC

Lot-Sample #...:	H8E220101-003	**Work Order #...:**	CHD6M10V	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/27/98	**Analysis Date..:**	06/02/98		
Prep Batch #...:	8147164				
Dilution Factor:	2000	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	400	ug/L
1,3-Dinitrobenzene	**2100**	**400**	**ug/L**
2,4-Dinitrotoluene	**2400**	**400**	**ug/L**
2,6-Dinitrotoluene	ND	400	ug/L
HMX	ND	1000	ug/L
Nitrobenzene	ND	400	ug/L
2-Nitrotoluene	ND	400	ug/L
3-Nitrotoluene	ND	400	ug/L
RDX	ND	1000	ug/L
Tetryl	ND	400	ug/L
1,3,5-Trinitrobenzene	**2400**	**400**	**ug/L**
2,4,6-Trinitrotoluene	ND	400	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5715

HPLC

Lot-Sample #...:	H8E220101-004	**Work Order #...:**	CHD6N10V	**Matrix.....:**	WATER
Date Sampled...:	05/20/98	**Date Received..:**	05/21/98		
Prep Date.....:	05/27/98	**Analysis Date..:**	06/02/98		
Prep Batch #...:	8147164				
Dilution Factor:	200	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
1,3-Dinitrobenzene	**170**	**40**	**ug/L**
2,4-Dinitrotoluene	**110**	**40**	**ug/L**
2,6-Dinitrotoluene	ND	40	ug/L
HMX	ND	100	ug/L
Nitrobenzene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L
RDX	ND	100	ug/L
Tetryl	ND	40	ug/L
1,3,5-Trinitrobenzene	**71**	**40**	**ug/L**
2,4,6-Trinitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

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: 5845

HPLC

Lot-Sample #...: H8E220101-005 **Work Order #...:** CHD6P10V **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98
Prep Date.....: 05/27/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8147164
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(39 - 157)

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E190178 **Work Order #...:** CHAQ6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E200000-278

Prep Date.....: 05/20/98
Analysis Date..: 05/23/98 **Prep Batch #...:** 8140278
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	105	(39 - 157)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E190178 **Work Order #...:** CHAQ6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E200000-278 CHAQ6103-LCSD
Prep Date.....: 05/20/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8140278
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**93**	**(67 - 123)**			**SW846 8330**
	92	**(67 - 123)**	**0.80**	**(0-23)**	**SW846 8330**
RDX	**123**	**(85 - 157)**			**SW846 8330**
	119	**(85 - 157)**	**3.0**	**(0-30)**	**SW846 8330**
1,3,5-Trinitrobenzene	**121**	**(80 - 141)**			**SW846 8330**
	118	**(80 - 141)**	**3.1**	**(0-18)**	**SW846 8330**
1,3-Dinitrobenzene	**118**	**(81 - 142)**			**SW846 8330**
	115	**(81 - 142)**	**3.0**	**(0-25)**	**SW846 8330**
Tetryl	**98**	**(55 - 140)**			**SW846 8330**
	96	**(55 - 140)**	**1.6**	**(0-35)**	**SW846 8330**
Nitrobenzene	**104**	**(69 - 140)**			**SW846 8330**
	106	**(69 - 140)**	**1.2**	**(0-20)**	**SW846 8330**
2,4,6-Trinitrotoluene	**101**	**(69 - 146)**			**SW846 8330**
	99	**(69 - 146)**	**2.0**	**(0-24)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**96**	**(75 - 130)**			**SW846 8330**
	93	**(75 - 130)**	**3.5**	**(0-23)**	**SW846 8330**
2,6-Dinitrotoluene	**112**	**(74 - 135)**			**SW846 8330**
	108	**(74 - 135)**	**3.9**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**111**	**(77 - 135)**			**SW846 8330**
	108	**(77 - 135)**	**2.5**	**(0-19)**	**SW846 8330**
2-Nitrotoluene	**94**	**(58 - 136)**			**SW846 8330**
	99	**(58 - 136)**	**5.2**	**(0-24)**	**SW846 8330**
3-Nitrotoluene	**97**	**(64 - 126)**			**SW846 8330**
	99	**(64 - 126)**	**2.0**	**(0-23)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**110**	**(80 - 131)**			**SW846 8330**
	107	**(80 - 131)**	**2.7**	**(0-21)**	**SW846 8330**
4-Nitrotoluene	**99**	**(69 - 122)**			**SW846 8330**
	101	**(69 - 122)**	**2.3**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(39 - 157)
	101	(39 - 157)

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 #...: H8E200191 **Work Order #...:** CHFQR101 **Matrix.....:** WATER
MB Lot-Sample #: H8E270000-161

Prep Date.....: 05/26/98
Analysis Date..: 06/15/98 **Prep Batch #...:** 8147161
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	112	(39 - 157)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E200191 **Work Order #...:** CHFQR102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E270000-161
Prep Date.....: 05/26/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8147161
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**123**	**(67 - 123)**	**SW846 8330**
RDX	**135**	**(85 - 157)**	**SW846 8330**
1,3,5-Trinitrobenzene	**124**	**(80 - 141)**	**SW846 8330**
1,3-Dinitrobenzene	**124**	**(81 - 142)**	**SW846 8330**
Tetryl	**112**	**(55 - 140)**	**SW846 8330**
Nitrobenzene	**119**	**(69 - 140)**	**SW846 8330**
2,4,6-Trinitrotoluene	**125**	**(69 - 146)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**124**	**(75 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**125**	**(74 - 135)**	**SW846 8330**
2,4-Dinitrotoluene	**122**	**(77 - 135)**	**SW846 8330**
2-Nitrotoluene	**114**	**(58 - 136)**	**SW846 8330**
3-Nitrotoluene	**117**	**(64 - 126)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**123**	**(80 - 131)**	**SW846 8330**
4-Nitrotoluene	**117**	**(69 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	112	(39 - 157)

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 #...: H8E220101 **Work Order #...:** CHFR6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E270000-164

Prep Date.....: 05/27/98
Analysis Date..: 06/02/98 **Prep Batch #...:** 8147164
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	(39 - 157)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E220101 **Work Order #...:** CHFR6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E270000-164 CHFR6103-LCSD
Prep Date.....: 05/27/98 **Analysis Date..:** 06/02/98
Prep Batch #...: 8147164
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**104**	**(67 - 123)**			**SW846 8330**
	100	**(67 - 123)**	**4.3**	**(0-23)**	**SW846 8330**
RDX	**122**	**(85 - 157)**			**SW846 8330**
	123	**(85 - 157)**	**1.4**	**(0-30)**	**SW846 8330**
1,3,5-Trinitrobenzene	**113**	**(80 - 141)**			**SW846 8330**
	112	**(80 - 141)**	**0.99**	**(0-18)**	**SW846 8330**
1,3-Dinitrobenzene	**119**	**(81 - 142)**			**SW846 8330**
	119	**(81 - 142)**	**0.0**	**(0-25)**	**SW846 8330**
Tetryl	**110**	**(55 - 140)**			**SW846 8330**
	108	**(55 - 140)**	**1.8**	**(0-35)**	**SW846 8330**
Nitrobenzene	**117**	**(69 - 140)**			**SW846 8330**
	117	**(69 - 140)**	**0.51**	**(0-20)**	**SW846 8330**
2,4,6-Trinitrotoluene	**111**	**(69 - 146)**			**SW846 8330**
	109	**(69 - 146)**	**1.6**	**(0-24)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**95**	**(75 - 130)**			**SW846 8330**
	94	**(75 - 130)**	**1.5**	**(0-23)**	**SW846 8330**
2,6-Dinitrotoluene	**114**	**(74 - 135)**			**SW846 8330**
	114	**(74 - 135)**	**0.58**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**113**	**(77 - 135)**			**SW846 8330**
	113	**(77 - 135)**	**0.75**	**(0-19)**	**SW846 8330**
2-Nitrotoluene	**113**	**(58 - 136)**			**SW846 8330**
	110	**(58 - 136)**	**2.6**	**(0-24)**	**SW846 8330**
3-Nitrotoluene	**109**	**(64 - 126)**			**SW846 8330**
	107	**(64 - 126)**	**2.5**	**(0-23)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**111**	**(80 - 131)**			**SW846 8330**
	110	**(80 - 131)**	**1.6**	**(0-21)**	**SW846 8330**
4-Nitrotoluene	**112**	**(69 - 122)**			**SW846 8330**
	109	**(69 - 122)**	**2.1**	**(0-25)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(39 - 157)
	103	(39 - 157)

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: 5425

TOTAL Metals

Lot-Sample #...: H8E190178-001 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CH9X810U
		Dilution Factor: 1		Analysis Time..: 08:01		
Prep Batch #...: 8156159						
Aluminum	**1130**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9X8104**
		Dilution Factor: 1		Analysis Time..: 16:48		
Arsenic	**12.9**	**10.0**	**ug/L**	**SW846 6010A**	**06/05-06/18/98**	**CH9X810P**
		Dilution Factor: 1		Analysis Time..: 17:16		
Lead	**6.2**	**3.0**	**ug/L**	**SW846 6010A**	**06/05-06/18/98**	**CH9X810Q**
		Dilution Factor: 1		Analysis Time..: 17:16		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X8105
		Dilution Factor: 1		Analysis Time..: 16:48		
Barium	**1100**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9X8106**
		Dilution Factor: 1		Analysis Time..: 16:48		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CH9X810R
		Dilution Factor: 1		Analysis Time..: 17:16		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X8107
		Dilution Factor: 1		Analysis Time..: 16:48		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9X810T
		Dilution Factor: 1		Analysis Time..: 17:16		
Cadmium	**ND**	**5.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9X8108**
		Dilution Factor: 1		Analysis Time..: 16:48		
Calcium	**101000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9X8109**
		Dilution Factor: 1		Analysis Time..: 16:48		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810A
		Dilution Factor: 1		Analysis Time..: 16:48		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810C
		Dilution Factor: 1		Analysis Time..: 16:48		
Copper	**80.9**	**25.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9X810D**
		Dilution Factor: 1		Analysis Time..: 16:48		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

TOTAL Metals

Lot-Sample #...: H8E190178-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13000	100	ug/L	SW846 6010A	06/05-06/17/98	CH9X810E
		Dilution Factor: 1		Analysis Time..: 16:48		
Magnesium	57800	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9X810F
		Dilution Factor: 1		Analysis Time..: 16:48		
Manganese	196	15.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810G
		Dilution Factor: 1		Analysis Time..: 16:48		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810H
		Dilution Factor: 1		Analysis Time..: 16:48		
Potassium	37000	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9X810J
		Dilution Factor: 1		Analysis Time..: 16:48		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810K
		Dilution Factor: 1		Analysis Time..: 16:48		
Sodium	415000	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9X810L
		Dilution Factor: 1		Analysis Time..: 16:48		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810M
		Dilution Factor: 1		Analysis Time..: 16:48		
Zinc	150	20.0	ug/L	SW846 6010A	06/05-06/17/98	CH9X810N
		Dilution Factor: 1		Analysis Time..: 16:48		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

DISSOLVED Metals

Lot-Sample #...: H8E190178-007 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CH9XG10Q
		Dilution Factor: 1		Analysis Time..: 08:40		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CH9XG101
		Dilution Factor: 1		Analysis Time..: 18:29		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XG10L
		Dilution Factor: 1		Analysis Time..: 19:24		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XG10M
		Dilution Factor: 1		Analysis Time..: 19:24		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG102
		Dilution Factor: 1		Analysis Time..: 18:29		
Barium	**1040**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG103**
		Dilution Factor: 1		Analysis Time..: 18:29		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XG10N
		Dilution Factor: 1		Analysis Time..: 19:24		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG104
		Dilution Factor: 1		Analysis Time..: 18:29		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XG10P
		Dilution Factor: 1		Analysis Time..: 19:24		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG105
		Dilution Factor: 1		Analysis Time..: 18:29		
Calcium	**104000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG106**
		Dilution Factor: 1		Analysis Time..: 18:29		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG107
		Dilution Factor: 1		Analysis Time..: 18:29		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG108
		Dilution Factor: 1		Analysis Time..: 18:29		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG109
		Dilution Factor: 1		Analysis Time..: 18:29		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

DISSOLVED Metals

Lot-Sample #...: H8E190178-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**302**	**100**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG10A**
		Dilution Factor: 1		Analysis Time..: 18:29		
Magnesium	**60400**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG10C**
		Dilution Factor: 1		Analysis Time..: 18:29		
Manganese	**278**	**15.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG10D**
		Dilution Factor: 1		Analysis Time..: 18:29		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG10E
		Dilution Factor: 1		Analysis Time..: 18:29		
Potassium	**36700**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG10F**
		Dilution Factor: 1		Analysis Time..: 18:29		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG10G
		Dilution Factor: 1		Analysis Time..: 18:29		
Sodium	**419000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XG10H**
		Dilution Factor: 1		Analysis Time..: 18:29		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG10J
		Dilution Factor: 1		Analysis Time..: 18:29		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XG10K
		Dilution Factor: 1		Analysis Time..: 18:29		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

TOTAL Metals

Lot-Sample #...: H8E190178-003 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CH9XA10U
		Dilution Factor: 1		Analysis Time..: 08:09		
Prep Batch #...: 8156159						
Aluminum	**4570**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XA104**
		Dilution Factor: 1		Analysis Time..: 17:28		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XA10P
		Dilution Factor: 1		Analysis Time..: 17:54		
Lead	**3.2**	**3.0**	**ug/L**	**SW846 6010A**	**06/05-06/18/98**	**CH9XA10Q**
		Dilution Factor: 1		Analysis Time..: 17:54		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA105
		Dilution Factor: 1		Analysis Time..: 17:28		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CH9XA106
		Dilution Factor: 1		Analysis Time..: 17:28		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XA10R
		Dilution Factor: 1		Analysis Time..: 17:54		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA107
		Dilution Factor: 1		Analysis Time..: 17:28		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XA10T
		Dilution Factor: 1		Analysis Time..: 17:54		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA108
		Dilution Factor: 1		Analysis Time..: 17:28		
Calcium	**299000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XA109**
		Dilution Factor: 1		Analysis Time..: 17:28		
Chromium	**11.0**	**10.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XA10A**
		Dilution Factor: 1		Analysis Time..: 17:28		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10C
		Dilution Factor: 1		Analysis Time..: 17:28		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10D
		Dilution Factor: 1		Analysis Time..: 17:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

TOTAL Metals

Lot-Sample #...: H8E190178-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	8230	100	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10R
		Dilution Factor: 1		Analysis Time..: 17:28		
Magnesium	136000	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10F
		Dilution Factor: 1		Analysis Time..: 17:28		
Manganese	715	15.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10G
		Dilution Factor: 1		Analysis Time..: 17:28		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10H
		Dilution Factor: 1		Analysis Time..: 17:28		
Potassium	22100	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10J
		Dilution Factor: 1		Analysis Time..: 17:28		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10K
		Dilution Factor: 1		Analysis Time..: 17:28		
Sodium	62100	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10L
		Dilution Factor: 1		Analysis Time..: 17:28		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10M
		Dilution Factor: 1		Analysis Time..: 17:28		
Zinc	41.2	20.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XA10N
		Dilution Factor: 1		Analysis Time..: 17:28		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

DISSOLVED Metals

Lot-Sample #...: H8E190178-008 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CH9XH10Q
		Dilution Factor: 1		Analysis Time..: 08:47		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CH9XH101
		Dilution Factor: 1		Analysis Time..: 19:04		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XH10L
		Dilution Factor: 1		Analysis Time..: 20:03		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XH10M
		Dilution Factor: 1		Analysis Time..: 20:03		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH102
		Dilution Factor: 1		Analysis Time..: 19:04		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CH9XH103
		Dilution Factor: 1		Analysis Time..: 19:04		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XH10N
		Dilution Factor: 1		Analysis Time..: 20:03		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH104
		Dilution Factor: 1		Analysis Time..: 19:04		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CH9XH10P
		Dilution Factor: 1		Analysis Time..: 20:03		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH105
		Dilution Factor: 1		Analysis Time..: 19:04		
Calcium	**306000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CH9XH106**
		Dilution Factor: 1		Analysis Time..: 19:04		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH107
		Dilution Factor: 1		Analysis Time..: 19:04		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH108
		Dilution Factor: 1		Analysis Time..: 19:04		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH109
		Dilution Factor: 1		Analysis Time..: 19:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

DISSOLVED Metals

Lot-Sample #...: H8E190178-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10A
		Dilution Factor: 1		Analysis Time..: 19:04		
Magnesium	140000	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10C
		Dilution Factor: 1		Analysis Time..: 19:04		
Manganese	582	15.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10D
		Dilution Factor: 1		Analysis Time..: 19:04		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10E
		Dilution Factor: 1		Analysis Time..: 19:04		
Potassium	21100	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10F
		Dilution Factor: 1		Analysis Time..: 19:04		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10G
		Dilution Factor: 1		Analysis Time..: 19:04		
Sodium	60200	5000	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10H
		Dilution Factor: 1		Analysis Time..: 19:04		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10J
		Dilution Factor: 1		Analysis Time..: 19:04		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CH9XH10K
		Dilution Factor: 1		Analysis Time..: 19:04		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

TOTAL Metals

Lot-Sample #...: H8E200191-001 Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHAWW10U
		Dilution Factor: 1		Analysis Time..: 08:11		
Prep Batch #...: 8156159						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAWW104
		Dilution Factor: 1		Analysis Time..: 17:33		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAWW10P
		Dilution Factor: 1		Analysis Time..: 18:00		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHAWW10Q
		Dilution Factor: 1		Analysis Time..: 18:00		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW105
		Dilution Factor: 1		Analysis Time..: 17:33		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAWW106
		Dilution Factor: 1		Analysis Time..: 17:33		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHAWW10R
		Dilution Factor: 1		Analysis Time..: 18:00		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW107
		Dilution Factor: 1		Analysis Time..: 17:33		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAWW10T
		Dilution Factor: 1		Analysis Time..: 18:00		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW108
		Dilution Factor: 1		Analysis Time..: 17:33		
Calcium	**198000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAWW109**
		Dilution Factor: 1		Analysis Time..: 17:33		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10A
		Dilution Factor: 1		Analysis Time..: 17:33		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10C
		Dilution Factor: 1		Analysis Time..: 17:33		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10D
		Dilution Factor: 1		Analysis Time..: 17:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

TOTAL Metals

Lot-Sample #...: H8E200191-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	131	100	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10E
		Dilution Factor: 1		Analysis Time..: 17:33		
Magnesium	125000	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10F
		Dilution Factor: 1		Analysis Time..: 17:33		
Manganese	30.7	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10G
		Dilution Factor: 1		Analysis Time..: 17:33		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10H
		Dilution Factor: 1		Analysis Time..: 17:33		
Potassium	11100	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10J
		Dilution Factor: 1		Analysis Time..: 17:33		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10K
		Dilution Factor: 1		Analysis Time..: 17:33		
Sodium	73200	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10L
		Dilution Factor: 1		Analysis Time..: 17:33		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10M
		Dilution Factor: 1		Analysis Time..: 17:33		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHAWW10N
		Dilution Factor: 1		Analysis Time..: 17:33		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

DISSOLVED Metals

Lot-Sample #...: H8E200191-005 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHAXR10Q
		Dilution Factor: 1		Analysis Time..: 08:54		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAXR101
		Dilution Factor: 1		Analysis Time..: 19:19		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXR10L
		Dilution Factor: 1		Analysis Time..: 20:09		
Lead	**4.1**	**3.0**	**ug/L**	**SW846 6010A**	**06/05-06/18/98**	**CHAXR10M**
		Dilution Factor: 1		Analysis Time..: 20:09		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR102
		Dilution Factor: 1		Analysis Time..: 19:19		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAXR103
		Dilution Factor: 1		Analysis Time..: 19:19		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXR10N
		Dilution Factor: 1		Analysis Time..: 20:09		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR104
		Dilution Factor: 1		Analysis Time..: 19:19		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXR10P
		Dilution Factor: 1		Analysis Time..: 20:09		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR105
		Dilution Factor: 1		Analysis Time..: 19:19		
Calcium	**212000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR106**
		Dilution Factor: 1		Analysis Time..: 19:19		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR107
		Dilution Factor: 1		Analysis Time..: 19:19		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR108
		Dilution Factor: 1		Analysis Time..: 19:19		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR109
		Dilution Factor: 1		Analysis Time..: 19:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

DISSOLVED Metals

Lot-Sample #...: H8E200191-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHAXR10A
		Dilution Factor: 1		Analysis Time..: 19:19		
Magnesium	**133000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR10C**
		Dilution Factor: 1		Analysis Time..: 19:19		
Manganese	**36.4**	**15.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR10D**
		Dilution Factor: 1		Analysis Time..: 19:19		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR10E
		Dilution Factor: 1		Analysis Time..: 19:19		
Potassium	**12300**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR10F**
		Dilution Factor: 1		Analysis Time..: 19:19		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR10G
		Dilution Factor: 1		Analysis Time..: 19:19		
Sodium	**78300**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR10H**
		Dilution Factor: 1		Analysis Time..: 19:19		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXR10J
		Dilution Factor: 1		Analysis Time..: 19:19		
Zinc	**24.2**	**20.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXR10K**
		Dilution Factor: 1		Analysis Time..: 19:19		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

TOTAL Metals

Lot-Sample #...: H8E200191-002 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHAX410U
		Dilution Factor: 1		Analysis Time..: 08:13		
Prep Batch #...: 8156159						
Aluminum	**245**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAX4104**
		Dilution Factor: 1		Analysis Time..: 18:04		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAX410P
		Dilution Factor: 1		Analysis Time..: 18:06		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHAX410Q
		Dilution Factor: 1		Analysis Time..: 18:06		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX4105
		Dilution Factor: 1		Analysis Time..: 18:04		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAX4106
		Dilution Factor: 1		Analysis Time..: 18:04		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHAX410R
		Dilution Factor: 1		Analysis Time..: 18:06		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX4107
		Dilution Factor: 1		Analysis Time..: 18:04		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAX410T
		Dilution Factor: 1		Analysis Time..: 18:06		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX4108
		Dilution Factor: 1		Analysis Time..: 18:04		
Calcium	**174000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAX4109**
		Dilution Factor: 1		Analysis Time..: 18:04		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410A
		Dilution Factor: 1		Analysis Time..: 18:04		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410C
		Dilution Factor: 1		Analysis Time..: 18:04		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410D
		Dilution Factor: 1		Analysis Time..: 18:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

TOTAL Metals

Lot-Sample #...: H8E200191-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2330	100	ug/L	SW846 6010A	06/05-06/17/98	CHAX410E
		Dilution Factor: 1		Analysis Time..: 18:04		
Magnesium	96200	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAX410F
		Dilution Factor: 1		Analysis Time..: 18:04		
Manganese	75.3	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410G
		Dilution Factor: 1		Analysis Time..: 18:04		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410H
		Dilution Factor: 1		Analysis Time..: 18:04		
Potassium	25300	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAX410J
		Dilution Factor: 1		Analysis Time..: 18:04		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410K
		Dilution Factor: 1		Analysis Time..: 18:04		
Sodium	208000	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAX410L
		Dilution Factor: 1		Analysis Time..: 18:04		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410M
		Dilution Factor: 1		Analysis Time..: 18:04		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHAX410N
		Dilution Factor: 1		Analysis Time..: 18:04		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

DISSOLVED Metals

Lot-Sample #...: H8E200191-006 Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHAXW10Q
		Dilution Factor: 1		Analysis Time..: 08:57		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAXW101
		Dilution Factor: 1		Analysis Time..: 19:42		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXW10L
		Dilution Factor: 1		Analysis Time..: 20:14		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXW10M
		Dilution Factor: 1		Analysis Time..: 20:14		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW102
		Dilution Factor: 1		Analysis Time..: 19:42		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAXW103
		Dilution Factor: 1		Analysis Time..: 19:42		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXW10N
		Dilution Factor: 1		Analysis Time..: 20:14		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW104
		Dilution Factor: 1		Analysis Time..: 19:42		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXW10P
		Dilution Factor: 1		Analysis Time..: 20:14		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW105
		Dilution Factor: 1		Analysis Time..: 19:42		
Calcium	**193000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXW106**
		Dilution Factor: 1		Analysis Time..: 19:42		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW107
		Dilution Factor: 1		Analysis Time..: 19:42		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW108
		Dilution Factor: 1		Analysis Time..: 19:42		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW109
		Dilution Factor: 1		Analysis Time..: 19:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

DISSOLVED Metals

Lot-Sample #...: H8E200191-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1190	100	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10A
		Dilution Factor: 1		Analysis Time..: 19:42		
Magnesium	104000	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10C
		Dilution Factor: 1		Analysis Time..: 19:42		
Manganese	75.6	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10D
		Dilution Factor: 1		Analysis Time..: 19:42		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10E
		Dilution Factor: 1		Analysis Time..: 19:42		
Potassium	25700	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10F
		Dilution Factor: 1		Analysis Time..: 19:42		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10G
		Dilution Factor: 1		Analysis Time..: 19:42		
Sodium	213000	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10H
		Dilution Factor: 1		Analysis Time..: 19:42		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10J
		Dilution Factor: 1		Analysis Time..: 19:42		
Zinc	23.1	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXW10K
		Dilution Factor: 1		Analysis Time..: 19:42		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

TOTAL Metals

Lot-Sample #...: H8E200191-003 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHAXH10U
		Dilution Factor: 1		Analysis Time..: 08:16		
Prep Batch #...: 8156159						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHAXH104
		Dilution Factor: 1		Analysis Time..: 18:19		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHAXH10P
		Dilution Factor: 10		Analysis Time..: 18:56		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXH10Q
		Dilution Factor: 10		Analysis Time..: 18:56		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH105
		Dilution Factor: 1		Analysis Time..: 18:19		
Barium	**942**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXH106**
		Dilution Factor: 1		Analysis Time..: 18:19		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHAXH10R
		Dilution Factor: 10		Analysis Time..: 18:56		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH107
		Dilution Factor: 1		Analysis Time..: 18:19		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHAXH10T
		Dilution Factor: 10		Analysis Time..: 18:56		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH108
		Dilution Factor: 1		Analysis Time..: 18:19		
Calcium	**1370000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHAXH109**
		Dilution Factor: 10		Analysis Time..: 20:30		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10A
		Dilution Factor: 1		Analysis Time..: 18:19		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10C
		Dilution Factor: 1		Analysis Time..: 18:19		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10D
		Dilution Factor: 1		Analysis Time..: 18:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

TOTAL Metals

Lot-Sample #...: H8E200191-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	166	100	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10E
		Dilution Factor: 1		Analysis Time..: 18:19		
Magnesium	938000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10F
		Dilution Factor: 10		Analysis Time..: 20:30		
Manganese	80.8	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10G
		Dilution Factor: 1		Analysis Time..: 18:19		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10H
		Dilution Factor: 1		Analysis Time..: 18:19		
Potassium	155000	5000	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10J
		Dilution Factor: 1		Analysis Time..: 18:19		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10K
		Dilution Factor: 1		Analysis Time..: 18:19		
Sodium	3530000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10L
		Dilution Factor: 10		Analysis Time..: 20:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10M
		Dilution Factor: 1		Analysis Time..: 18:19		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHAXH10N
		Dilution Factor: 1		Analysis Time..: 18:19		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

DISSOLVED Metals

Lot-Sample #...: H8E200191-007 **Matrix.....:** WATER
Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHC0010Q
		Dilution Factor: 1		Analysis Time..: 08:59		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHC00101
		Dilution Factor: 1		Analysis Time..: 19:49		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHC0010L
		Dilution Factor: 10		Analysis Time..: 17:38		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHC0010M
		Dilution Factor: 10		Analysis Time..: 17:38		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00102
		Dilution Factor: 1		Analysis Time..: 19:49		
Barium	**994**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC00103**
		Dilution Factor: 1		Analysis Time..: 19:49		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHC0010N
		Dilution Factor: 10		Analysis Time..: 17:38		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00104
		Dilution Factor: 1		Analysis Time..: 19:49		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHC0010P
		Dilution Factor: 10		Analysis Time..: 17:38		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00105
		Dilution Factor: 1		Analysis Time..: 19:49		
Calcium	**1470000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC00106**
		Dilution Factor: 10		Analysis Time..: 20:46		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00107
		Dilution Factor: 1		Analysis Time..: 19:49		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00108
		Dilution Factor: 1		Analysis Time..: 19:49		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHC00109
		Dilution Factor: 1		Analysis Time..: 19:49		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

DISSOLVED Metals

Lot-Sample #...: H8E200191-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHC0010A
		Dilution Factor: 1		Analysis Time..: 19:49		
Magnesium	**1020000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC0010C**
		Dilution Factor: 10		Analysis Time..: 20:46		
Manganese	**80.9**	**15.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC0010D**
		Dilution Factor: 1		Analysis Time..: 19:49		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHC0010E
		Dilution Factor: 1		Analysis Time..: 19:49		
Potassium	**163000**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC0010F**
		Dilution Factor: 1		Analysis Time..: 19:49		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHC0010G
		Dilution Factor: 1		Analysis Time..: 19:49		
Sodium	**3820000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC0010H**
		Dilution Factor: 10		Analysis Time..: 20:46		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHC0010J
		Dilution Factor: 1		Analysis Time..: 19:49		
Zinc	**23.5**	**20.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHC0010K**
		Dilution Factor: 1		Analysis Time..: 19:49		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

TOTAL Metals

Lot-Sample #...: H8E220101-001 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6J10U
		Dilution Factor: 1		Analysis Time..: 08:18		
Prep Batch #...: 8156159						
Aluminum	10500	2000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J104
		Dilution Factor: 10		Analysis Time..: 17:43		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6J10P
		Dilution Factor: 10		Analysis Time..: 18:50		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6J10Q
		Dilution Factor: 10		Analysis Time..: 18:50		
Antimony	ND	600	ug/L	SW846 6010A	06/05-06/17/98	CHD6J105
		Dilution Factor: 10		Analysis Time..: 17:43		
Barium	ND	2000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J106
		Dilution Factor: 10		Analysis Time..: 17:43		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6J10R
		Dilution Factor: 10		Analysis Time..: 18:50		
Beryllium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6J107
		Dilution Factor: 10		Analysis Time..: 17:43		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6J10T
		Dilution Factor: 10		Analysis Time..: 18:50		
Cadmium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6J108
		Dilution Factor: 10		Analysis Time..: 17:43		
Calcium	526000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J109
		Dilution Factor: 10		Analysis Time..: 17:43		
Chromium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10A
		Dilution Factor: 10		Analysis Time..: 17:43		
Cobalt	2350	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10C
		Dilution Factor: 10		Analysis Time..: 17:43		
Copper	1060	250	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10D
		Dilution Factor: 10		Analysis Time..: 17:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

TOTAL Metals

Lot-Sample #...: H8E220101-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	32600	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10E
		Dilution Factor: 10		Analysis Time..: 17:43		
Magnesium	184000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10F
		Dilution Factor: 10		Analysis Time..: 17:43		
Manganese	13700	150	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10G
		Dilution Factor: 10		Analysis Time..: 17:43		
Nickel	1790	400	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10H
		Dilution Factor: 10		Analysis Time..: 17:43		
Potassium	ND	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10J
		Dilution Factor: 10		Analysis Time..: 17:43		
Silver	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10K
		Dilution Factor: 10		Analysis Time..: 17:43		
Sodium	3680000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10L
		Dilution Factor: 10		Analysis Time..: 17:43		
Vanadium	ND	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10M
		Dilution Factor: 10		Analysis Time..: 17:43		
Zinc	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6J10N
		Dilution Factor: 10		Analysis Time..: 17:43		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

DISSOLVED Metals

Lot-Sample #...: H8E220101-007 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6R10Q
		Dilution Factor: 1		Analysis Time..: 09:01		
Prep Batch #...: 8156163						
Aluminum	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6R101
		Dilution Factor: 5		Analysis Time..: 18:54		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6R10L
		Dilution Factor: 10		Analysis Time..: 17:43		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6R10M
		Dilution Factor: 10		Analysis Time..: 17:43		
Antimony	ND	300	ug/L	SW846 6010A	06/05-06/17/98	CHD6R102
		Dilution Factor: 5		Analysis Time..: 18:54		
Barium	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6R103
		Dilution Factor: 5		Analysis Time..: 18:54		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6R10N
		Dilution Factor: 10		Analysis Time..: 17:43		
Beryllium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6R104
		Dilution Factor: 5		Analysis Time..: 18:54		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6R10P
		Dilution Factor: 10		Analysis Time..: 17:43		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6R105
		Dilution Factor: 5		Analysis Time..: 18:54		
Calcium	**597000**	**25000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6R106**
		Dilution Factor: 5		Analysis Time..: 18:54		
Chromium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6R107
		Dilution Factor: 5		Analysis Time..: 18:54		
Cobalt	**2610**	**250**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6R108**
		Dilution Factor: 5		Analysis Time..: 18:54		
Copper	**1050**	**125**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6R109**
		Dilution Factor: 5		Analysis Time..: 18:54		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

DISSOLVED Metals

Lot-Sample #...: H8E220101-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2110	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10A
		Dilution Factor: 5		Analysis Time..: 18:54		
Magnesium	180000	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10C
		Dilution Factor: 5		Analysis Time..: 18:54		
Manganese	17600	75.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10D
		Dilution Factor: 5		Analysis Time..: 18:54		
Nickel	1900	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10E
		Dilution Factor: 5		Analysis Time..: 18:54		
Potassium	ND	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10F
		Dilution Factor: 5		Analysis Time..: 18:54		
Silver	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10G
		Dilution Factor: 5		Analysis Time..: 18:54		
Sodium	3970000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10H
		Dilution Factor: 10		Analysis Time..: 20:35		
Vanadium	ND	250	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10J
		Dilution Factor: 5		Analysis Time..: 18:54		
Zinc	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6R10K
		Dilution Factor: 5		Analysis Time..: 18:54		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

TOTAL Metals

Lot-Sample #...: H8E220101-002 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6L10U
		Dilution Factor: 1		Analysis Time..: 08:25		
Prep Batch #...: 8156159						
Aluminum	**11900**	**2000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6L104**
		Dilution Factor: 10		Analysis Time..: 17:48		
Arsenic	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6L10P
		Dilution Factor: 5		Analysis Time..: 19:13		
Lead	ND	15.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6L10Q
		Dilution Factor: 5		Analysis Time..: 19:13		
Antimony	ND	600	ug/L	SW846 6010A	06/05-06/17/98	CHD6L105
		Dilution Factor: 10		Analysis Time..: 17:48		
Barium	ND	2000	ug/L	SW846 6010A	06/05-06/17/98	CHD6L106
		Dilution Factor: 10		Analysis Time..: 17:48		
Selenium	ND	25.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6L10R
		Dilution Factor: 5		Analysis Time..: 19:13		
Beryllium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6L107
		Dilution Factor: 10		Analysis Time..: 17:48		
Thallium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6L10T
		Dilution Factor: 5		Analysis Time..: 19:13		
Cadmium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6L108
		Dilution Factor: 10		Analysis Time..: 17:48		
Calcium	**650000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6L109**
		Dilution Factor: 10		Analysis Time..: 17:48		
Chromium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10A
		Dilution Factor: 10		Analysis Time..: 17:48		
Cobalt	**2740**	**500**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6L10C**
		Dilution Factor: 10		Analysis Time..: 17:48		
Copper	**1110**	**250**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6L10D**
		Dilution Factor: 10		Analysis Time..: 17:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

TOTAL Metals

Lot-Sample #...: H8E220101-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	31500	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10E
		Dilution Factor: 10		Analysis Time..: 17:48		
Magnesium	208000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10F
		Dilution Factor: 10		Analysis Time..: 17:48		
Manganese	18200	150	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10G
		Dilution Factor: 10		Analysis Time..: 17:48		
Nickel	1990	400	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10H
		Dilution Factor: 10		Analysis Time..: 17:48		
Potassium	ND	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10J
		Dilution Factor: 10		Analysis Time..: 17:48		
Silver	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10K
		Dilution Factor: 10		Analysis Time..: 17:48		
Sodium	4240000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10L
		Dilution Factor: 10		Analysis Time..: 17:48		
Vanadium	ND	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10M
		Dilution Factor: 10		Analysis Time..: 17:48		
Zinc	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6L10N
		Dilution Factor: 10		Analysis Time..: 17:48		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

DISSOLVED Metals

Lot-Sample #...: H8E220101-008 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6T10Q
		Dilution Factor: 1		Analysis Time..: 09:04		
Prep Batch #...: 8156163						
Aluminum	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6T101
		Dilution Factor: 5		Analysis Time..: 18:59		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6T10L
		Dilution Factor: 10		Analysis Time..: 18:34		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6T10M
		Dilution Factor: 10		Analysis Time..: 18:34		
Antimony	ND	300	ug/L	SW846 6010A	06/05-06/17/98	CHD6T102
		Dilution Factor: 5		Analysis Time..: 18:59		
Barium	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6T103
		Dilution Factor: 5		Analysis Time..: 18:59		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6T10N
		Dilution Factor: 10		Analysis Time..: 18:34		
Beryllium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6T104
		Dilution Factor: 5		Analysis Time..: 18:59		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6T10P
		Dilution Factor: 10		Analysis Time..: 18:34		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6T105
		Dilution Factor: 5		Analysis Time..: 18:59		
Calcium	**648000**	**25000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6T106**
		Dilution Factor: 5		Analysis Time..: 18:59		
Chromium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6T107
		Dilution Factor: 5		Analysis Time..: 18:59		
Cobalt	**2820**	**250**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6T108**
		Dilution Factor: 5		Analysis Time..: 18:59		
Copper	**1100**	**125**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6T109**
		Dilution Factor: 5		Analysis Time..: 18:59		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5696

DISSOLVED Metals

Lot-Sample #...: H8E220101-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2320	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10A
		Dilution Factor: 5		Analysis Time..: 18:59		
Magnesium	202000	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10C
		Dilution Factor: 5		Analysis Time..: 18:59		
Manganese	18600	75.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10D
		Dilution Factor: 5		Analysis Time..: 18:59		
Nickel	2030	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10E
		Dilution Factor: 5		Analysis Time..: 18:59		
Potassium	ND	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10F
		Dilution Factor: 5		Analysis Time..: 18:59		
Silver	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10G
		Dilution Factor: 5		Analysis Time..: 18:59		
Sodium	4270000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10H
		Dilution Factor: 10		Analysis Time..: 20:41		
Vanadium	ND	250	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10J
		Dilution Factor: 5		Analysis Time..: 18:59		
Zinc	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6T10K
		Dilution Factor: 5		Analysis Time..: 18:59		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

TOTAL Metals

Lot-Sample #...: H8E220101-003 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8156159						
Aluminum	ND	4000	ug/L	SW846 6010A	06/05-06/17/98	CHD6M104
		Dilution Factor: 20		Analysis Time..: 18:24		
Arsenic	ND	300	ug/L	SW846 6010A	06/05-06/18/98	CHD6M10P
		Dilution Factor: 30		Analysis Time..: 19:07		
Lead	ND	90.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6M10Q
		Dilution Factor: 30		Analysis Time..: 19:07		
Antimony	ND	1200	ug/L	SW846 6010A	06/05-06/17/98	CHD6M105
		Dilution Factor: 20		Analysis Time..: 18:24		
Barium	ND	4000	ug/L	SW846 6010A	06/05-06/17/98	CHD6M106
		Dilution Factor: 20		Analysis Time..: 18:24		
Selenium	ND	150	ug/L	SW846 6010A	06/05-06/18/98	CHD6M10R
		Dilution Factor: 30		Analysis Time..: 19:07		
Beryllium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6M107
		Dilution Factor: 20		Analysis Time..: 18:24		
Thallium	ND	300	ug/L	SW846 6010A	06/05-06/18/98	CHD6M10T
		Dilution Factor: 30		Analysis Time..: 19:07		
Cadmium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6M108
		Dilution Factor: 20		Analysis Time..: 18:24		
Calcium	**998000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M109**
		Dilution Factor: 20		Analysis Time..: 18:24		
Chromium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6M10A
		Dilution Factor: 20		Analysis Time..: 18:24		
Cobalt	**7150**	**1000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10C**
		Dilution Factor: 20		Analysis Time..: 18:24		
Copper	**3740**	**500**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10D**
		Dilution Factor: 20		Analysis Time..: 18:24		
Iron	**12100**	**2000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10R**
		Dilution Factor: 20		Analysis Time..: 18:24		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

TOTAL Metals

Lot-Sample #...: H8E220101-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**574000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10F**
		Dilution Factor: 20		Analysis Time..: 18:24		
Manganese	**43900**	**300**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10G**
		Dilution Factor: 20		Analysis Time..: 18:24		
Nickel	**6950**	**800**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10H**
		Dilution Factor: 20		Analysis Time..: 18:24		
Potassium	ND	100000	ug/L	SW846 6010A	06/05-06/17/98	CHD6M10J
		Dilution Factor: 20		Analysis Time..: 18:24		
Silver	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6M10K
		Dilution Factor: 20		Analysis Time..: 18:24		
Sodium	**11900000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6M10L**
		Dilution Factor: 20		Analysis Time..: 18:24		
Vanadium	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6M10M
		Dilution Factor: 20		Analysis Time..: 18:24		
Zinc	ND	400	ug/L	SW846 6010A	06/05-06/17/98	CHD6M10N
		Dilution Factor: 20		Analysis Time..: 18:24		

Prep Batch #...: 8159196

Mercury	ND	2.0	ug/L	SW846 7470A	06/11/98	CHD6M20U
		Dilution Factor: 10		Analysis Time..: 14:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

DISSOLVED Metals

Lot-Sample #...: H8E220101-009 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8156163						
Aluminum	ND	4000	ug/L	SW846 6010A	06/05-06/17/98	CHD6V101
		Dilution Factor: 20		Analysis Time..: 18:49		
Arsenic	ND	300	ug/L	SW846 6010A	06/05-06/18/98	CHD6V10L
		Dilution Factor: 30		Analysis Time..: 18:39		
Lead	ND	90.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6V10M
		Dilution Factor: 30		Analysis Time..: 18:39		
Antimony	ND	1200	ug/L	SW846 6010A	06/05-06/17/98	CHD6V102
		Dilution Factor: 20		Analysis Time..: 18:49		
Barium	ND	4000	ug/L	SW846 6010A	06/05-06/17/98	CHD6V103
		Dilution Factor: 20		Analysis Time..: 18:49		
Selenium	ND	150	ug/L	SW846 6010A	06/05-06/18/98	CHD6V10N
		Dilution Factor: 30		Analysis Time..: 18:39		
Beryllium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6V104
		Dilution Factor: 20		Analysis Time..: 18:49		
Thallium	ND	300	ug/L	SW846 6010A	06/05-06/18/98	CHD6V10P
		Dilution Factor: 30		Analysis Time..: 18:39		
Cadmium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6V105
		Dilution Factor: 20		Analysis Time..: 18:49		
Calcium	**998000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V106**
		Dilution Factor: 20		Analysis Time..: 18:49		
Chromium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6V107
		Dilution Factor: 20		Analysis Time..: 18:49		
Cobalt	**7450**	**1000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V108**
		Dilution Factor: 20		Analysis Time..: 18:49		
Copper	**3900**	**500**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V109**
		Dilution Factor: 20		Analysis Time..: 18:49		
Iron	**9560**	**2000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V10A**
		Dilution Factor: 20		Analysis Time..: 18:49		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

DISSOLVED Metals

Lot-Sample #...: H8E220101-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**584000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V10C**
		Dilution Factor: 20		Analysis Time..: 18:49		
Manganese	**45500**	**300**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V10D**
		Dilution Factor: 20		Analysis Time..: 18:49		
Nickel	**7310**	**800**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V10E**
		Dilution Factor: 20		Analysis Time..: 18:49		
Potassium	ND	100000	ug/L	SW846 6010A	06/05-06/17/98	CHD6V10F
		Dilution Factor: 20		Analysis Time..: 18:49		
Silver	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6V10G
		Dilution Factor: 20		Analysis Time..: 18:49		
Sodium	**11900000**	**100000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6V10H**
		Dilution Factor: 20		Analysis Time..: 18:49		
Vanadium	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6V10J
		Dilution Factor: 20		Analysis Time..: 18:49		
Zinc	ND	400	ug/L	SW846 6010A	06/05-06/17/98	CHD6V10K
		Dilution Factor: 20		Analysis Time..: 18:49		

Prep Batch #...: 8159197

Mercury	ND	2.0	ug/L	SW846 7470A	06/11/98	CHD6V20Q
		Dilution Factor: 10		Analysis Time..: 15:44		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

TOTAL Metals

Lot-Sample #...: H8E220101-004 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6N10U
		Dilution Factor: 1		Analysis Time..: 08:30		
Prep Batch #...: 8156159						
Aluminum	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6N104
		Dilution Factor: 5		Analysis Time..: 17:53		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6N10P
		Dilution Factor: 1		Analysis Time..: 19:13		
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6N10Q
		Dilution Factor: 1		Analysis Time..: 19:13		
Antimony	ND	300	ug/L	SW846 6010A	06/05-06/17/98	CHD6N105
		Dilution Factor: 5		Analysis Time..: 17:53		
Barium	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6N106
		Dilution Factor: 5		Analysis Time..: 17:53		
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6N10R
		Dilution Factor: 1		Analysis Time..: 19:13		
Beryllium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6N107
		Dilution Factor: 5		Analysis Time..: 17:53		
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6N10T
		Dilution Factor: 1		Analysis Time..: 19:13		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6N108
		Dilution Factor: 5		Analysis Time..: 17:53		
Calcium	**171000**	**25000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6N109**
		Dilution Factor: 5		Analysis Time..: 17:53		
Chromium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10A
		Dilution Factor: 5		Analysis Time..: 17:53		
Cobalt	**480**	**250**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6N10C**
		Dilution Factor: 5		Analysis Time..: 17:53		
Copper	**430**	**125**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6N10D**
		Dilution Factor: 5		Analysis Time..: 17:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

TOTAL Metals

Lot-Sample #...: H8E220101-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2070	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10E
		Dilution Factor: 5		Analysis Time..: 17:53		
Magnesium	62900	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10F
		Dilution Factor: 5		Analysis Time..: 17:53		
Manganese	2300	75.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10G
		Dilution Factor: 5		Analysis Time..: 17:53		
Nickel	466	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10H
		Dilution Factor: 5		Analysis Time..: 17:53		
Potassium	ND	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10J
		Dilution Factor: 5		Analysis Time..: 17:53		
Silver	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10K
		Dilution Factor: 5		Analysis Time..: 17:53		
Sodium	1210000	25000	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10L
		Dilution Factor: 5		Analysis Time..: 17:53		
Vanadium	ND	250	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10M
		Dilution Factor: 5		Analysis Time..: 17:53		
Zinc	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6N10N
		Dilution Factor: 5		Analysis Time..: 17:53		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

DISSOLVED Metals

Lot-Sample #...: H8E220101-010 **Matrix.....:** WATER
Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6W10Q
		Dilution Factor: 1		Analysis Time..: 09:11		
Prep Batch #...: 8156163						
Aluminum	ND	2000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W101
		Dilution Factor: 10		Analysis Time..: 19:32		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6W10L
		Dilution Factor: 10		Analysis Time..: 17:49		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6W10M
		Dilution Factor: 10		Analysis Time..: 17:49		
Antimony	ND	600	ug/L	SW846 6010A	06/05-06/17/98	CHD6W102
		Dilution Factor: 10		Analysis Time..: 19:32		
Barium	ND	2000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W103
		Dilution Factor: 10		Analysis Time..: 19:32		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6W10N
		Dilution Factor: 10		Analysis Time..: 17:49		
Beryllium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6W104
		Dilution Factor: 10		Analysis Time..: 19:32		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6W10P
		Dilution Factor: 10		Analysis Time..: 17:49		
Cadmium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6W105
		Dilution Factor: 10		Analysis Time..: 19:32		
Calcium	**198000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6W106**
		Dilution Factor: 10		Analysis Time..: 19:32		
Chromium	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6W107
		Dilution Factor: 10		Analysis Time..: 19:32		
Cobalt	**522**	**500**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6W108**
		Dilution Factor: 10		Analysis Time..: 19:32		
Copper	**294**	**250**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6W109**
		Dilution Factor: 10		Analysis Time..: 19:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

DISSOLVED Metals

Lot-Sample #...: H8E220101-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	1000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10A
		Dilution Factor: 10		Analysis Time..: 19:32		
Magnesium	70100	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10C
		Dilution Factor: 10		Analysis Time..: 19:32		
Manganese	2500	150	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10D
		Dilution Factor: 10		Analysis Time..: 19:32		
Nickel	460	400	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10R
		Dilution Factor: 10		Analysis Time..: 19:32		
Potassium	ND	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10F
		Dilution Factor: 10		Analysis Time..: 19:32		
Silver	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10G
		Dilution Factor: 10		Analysis Time..: 19:32		
Sodium	1270000	50000	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10H
		Dilution Factor: 10		Analysis Time..: 19:32		
Vanadium	ND	500	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10J
		Dilution Factor: 10		Analysis Time..: 19:32		
Zinc	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6W10K
		Dilution Factor: 10		Analysis Time..: 19:32		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

TOTAL Metals

Lot-Sample #...: H8E220101-005 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6P10U
		Dilution Factor: 1		Analysis Time..: 08:32		
Prep Batch #...: 8156159						
Aluminum	**242**	**200**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6P104**
		Dilution Factor: 1		Analysis Time..: 17:58		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6P10P
		Dilution Factor: 10		Analysis Time..: 19:18		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6P10Q
		Dilution Factor: 10		Analysis Time..: 19:18		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P105
		Dilution Factor: 1		Analysis Time..: 17:58		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6P106
		Dilution Factor: 1		Analysis Time..: 17:58		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6P10R
		Dilution Factor: 10		Analysis Time..: 19:18		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P107
		Dilution Factor: 1		Analysis Time..: 17:58		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6P10T
		Dilution Factor: 10		Analysis Time..: 19:18		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P108
		Dilution Factor: 1		Analysis Time..: 17:58		
Calcium	**612000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6P109**
		Dilution Factor: 10		Analysis Time..: 20:25		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10A
		Dilution Factor: 1		Analysis Time..: 17:58		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10C
		Dilution Factor: 1		Analysis Time..: 17:58		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10D
		Dilution Factor: 1		Analysis Time..: 17:58		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

TOTAL Metals

Lot-Sample #...: H8E220101-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1960	100	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10E
		Dilution Factor: 1		Analysis Time..: 17:58		
Magnesium	29700	5000	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10F
		Dilution Factor: 1		Analysis Time..: 17:58		
Manganese	458	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10G
		Dilution Factor: 1		Analysis Time..: 17:58		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10H
		Dilution Factor: 1		Analysis Time..: 17:58		
Potassium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10J
		Dilution Factor: 1		Analysis Time..: 17:58		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10K
		Dilution Factor: 1		Analysis Time..: 17:58		
Sodium	5530	5000	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10L
		Dilution Factor: 1		Analysis Time..: 17:58		
Vanadium	52.3	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10M
		Dilution Factor: 1		Analysis Time..: 17:58		
Zinc	20.0	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6P10N
		Dilution Factor: 1		Analysis Time..: 17:58		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

DISSOLVED Metals

Lot-Sample #...: H8E220101-011 Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHD6X10Q
		Dilution Factor: 1		Analysis Time..: 09:13		
Prep Batch #...: 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6X101
		Dilution Factor: 1		Analysis Time..: 19:54		
Arsenic	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6X10L
		Dilution Factor: 10		Analysis Time..: 18:45		
Lead	ND	30.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6X10M
		Dilution Factor: 10		Analysis Time..: 18:45		
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X102
		Dilution Factor: 1		Analysis Time..: 19:54		
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHD6X103
		Dilution Factor: 1		Analysis Time..: 19:54		
Selenium	ND	50.0	ug/L	SW846 6010A	06/05-06/18/98	CHD6X10N
		Dilution Factor: 10		Analysis Time..: 18:45		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X104
		Dilution Factor: 1		Analysis Time..: 19:54		
Thallium	ND	100	ug/L	SW846 6010A	06/05-06/18/98	CHD6X10P
		Dilution Factor: 10		Analysis Time..: 18:45		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X105
		Dilution Factor: 1		Analysis Time..: 19:54		
Calcium	**643000**	**50000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X106**
		Dilution Factor: 10		Analysis Time..: 20:51		
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X107
		Dilution Factor: 1		Analysis Time..: 19:54		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X108
		Dilution Factor: 1		Analysis Time..: 19:54		
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X109
		Dilution Factor: 1		Analysis Time..: 19:54		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

DISSOLVED Metals

Lot-Sample #...: H8E220101-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1440**	**100**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X10A**
		Dilution Factor: 1		Analysis Time..: 19:54		
Magnesium	**33900**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X10C**
		Dilution Factor: 1		Analysis Time..: 19:54		
Manganese	**454**	**15.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X10D**
		Dilution Factor: 1		Analysis Time..: 19:54		
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X10E
		Dilution Factor: 1		Analysis Time..: 19:54		
Potassium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHD6X10F
		Dilution Factor: 1		Analysis Time..: 19:54		
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X10G
		Dilution Factor: 1		Analysis Time..: 19:54		
Sodium	**6820**	**5000**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X10H**
		Dilution Factor: 1		Analysis Time..: 19:54		
Vanadium	**57.3**	**50.0**	**ug/L**	**SW846 6010A**	**06/05-06/17/98**	**CHD6X10J**
		Dilution Factor: 1		Analysis Time..: 19:54		
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHD6X10K
		Dilution Factor: 1		Analysis Time..: 19:54		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8F030000-222 **Prep Batch #...:** 8154222						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHN4J101
		Dilution Factor: 1				
		Analysis Time..: 07:56				
MB Lot-Sample #: H8F050000-159 **Prep Batch #...:** 8156159						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHQG710J
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHQG710E
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG710K
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHQG710F
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHQG710L
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHQG710G
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG710M
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHQG710H
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG710N
		Dilution Factor: 1				
		Analysis Time..: 16:23				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQG710P
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7101
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7102
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7103
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Iron	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHQG7104
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Magnesium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQG7105
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Manganese	ND	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7106
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7107
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Potassium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQG7108
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG7109
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Sodium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQG710A
		Dilution Factor: 1				
		Analysis Time..: 16:23				
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG710C
		Dilution Factor: 1				
		Analysis Time..: 16:23				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHQG710D
		Dilution Factor: 1				
		Analysis Time..: 16:23				

MB Lot-Sample #: H8F080000-196 **Prep Batch #...:** 8159196

Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHT9W101
		Dilution Factor: 1				
		Analysis Time..: 14:32				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8F030000-225 **Prep Batch #...:** 8154225						
Mercury	ND	0.20	ug/L	SW846 7470A	06/04-06/05/98	CHN51101
		Dilution Factor: 1				
		Analysis Time..: 08:35				
MB Lot-Sample #: H8F050000-163 **Prep Batch #...:** 8156163						
Aluminum	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10F
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Arsenic	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHQGC10A
		Dilution Factor: 1				
		Analysis Time..: 16:18				
Antimony	ND	60.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10G
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Lead	ND	3.0	ug/L	SW846 6010A	06/05-06/18/98	CHQGC10C
		Dilution Factor: 1				
		Analysis Time..: 16:18				
Barium	ND	200	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10H
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Selenium	ND	5.0	ug/L	SW846 6010A	06/05-06/18/98	CHQGC10D
		Dilution Factor: 1				
		Analysis Time..: 16:18				
Beryllium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10J
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Thallium	ND	10.0	ug/L	SW846 6010A	06/05-06/18/98	CHQGC10E
		Dilution Factor: 1				
		Analysis Time..: 16:18				
Cadmium	ND	5.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10K
		Dilution Factor: 1				
		Analysis Time..: 16:37				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10L
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Chromium	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10M
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Cobalt	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10N
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Copper	ND	25.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC10P
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Iron	ND	100	ug/L	SW846 6010A	06/05-06/17/98	CHQGC101
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Magnesium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQGC102
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Manganese	ND	15.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC103
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Nickel	ND	40.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC104
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Potassium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQGC105
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Silver	ND	10.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC106
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Sodium	ND	5000	ug/L	SW846 6010A	06/05-06/17/98	CHQGC107
		Dilution Factor: 1				
		Analysis Time..: 16:37				
Vanadium	ND	50.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC108
		Dilution Factor: 1				
		Analysis Time..: 16:37				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010A	06/05-06/17/98	CHQGC109
		Dilution Factor: 1				
		Analysis Time..: 16:37				

MB Lot-Sample #: H8F080000-197 **Prep Batch #...:** 8159197

Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHTA7101
		Dilution Factor: 1				
		Analysis Time..: 15:39				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E190178-007 **Prep Batch #...:** 8154225							
Mercury	116	(70 - 129)			SW846 7470A	06/04-06/05/98	CH9XG10R
	115	(70 - 129)	0.86	(0-20)	SW846 7470A	06/04-06/05/98	CH9XG10T
		Dilution Factor: 1					
		Analysis Time..: 08:42					
MS Lot-Sample #: H8E190178-007 **Prep Batch #...:** 8156163							
Aluminum	96	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11P
	92	(80 - 120)	3.3	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11Q
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Arsenic	94	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9XG11F
	90	(80 - 120)	4.2	(0-20)	SW846 6010A	06/05-06/18/98	CH9XG11G
		Dilution Factor: 1					
		Analysis Time..: 19:44					
Antimony	114	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11R
	111	(80 - 120)	2.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11T
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Lead	90	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9XG11H
	87	(80 - 120)	3.4	(0-20)	SW846 6010A	06/05-06/18/98	CH9XG11J
		Dilution Factor: 1					
		Analysis Time..: 19:44					
Barium	88	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11U
	91	(80 - 120)	2.1	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11V
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Selenium	95	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9XG11K
	91	(80 - 120)	3.8	(0-20)	SW846 6010A	06/05-06/18/98	CH9XG11L
		Dilution Factor: 1					
		Analysis Time..: 19:44					
Beryllium	96	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11W
	94	(80 - 120)	1.3	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11X
		Dilution Factor: 1					
		Analysis Time..: 18:34					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	86	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9XG11M
	83	(80 - 120)	3.4	(0-20)	SW846 6010A	06/05-06/18/98	CH9XG11N
		Dilution Factor: 1					
		Analysis Time..: 19:44					
Cadmium	107	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG120
	106	(80 - 120)	1.6	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG121
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Calcium	107	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG122
	122 N	(80 - 120)	4.5	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG123
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Chromium	99	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG124
	97	(80 - 120)	2.4	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG125
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Cobalt	98	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG126
	96	(80 - 120)	1.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG127
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Copper	85	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG128
	85	(80 - 120)	0.27	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG129
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Iron	95	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG10U
	94	(80 - 120)	0.87	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG10V
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Magnesium	103	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG10W
	111	(80 - 120)	3.6	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG10X
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Manganese	93	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG110
	96	(80 - 120)	1.9	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG111
		Dilution Factor: 1					
		Analysis Time..: 18:34					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	95	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG112
	94	(80 - 120)	1.4	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG113
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Potassium	94	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG114
	99	(80 - 120)	2.7	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG115
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Silver	94	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG116
	95	(80 - 120)	1.2	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG117
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Sodium	NC,MSB	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG118
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/05-06/17/98	CH9XG119
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Vanadium	94	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11A
	92	(80 - 120)	1.3	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11C
		Dilution Factor: 1					
		Analysis Time..: 18:34					
Zinc	97	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9XG11D
	102	(80 - 120)	5.2	(0-20)	SW846 6010A	06/05-06/17/98	CH9XG11E
		Dilution Factor: 1					
		Analysis Time..: 18:34					

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/or 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

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E190178-001 **Prep Batch #...:** 8154222							
Mercury	115	(70 - 129)			SW846 7470A	06/04-06/05/98	CH9X8117
	125	(70 - 129)	8.3	(0-20)	SW846 7470A	06/04-06/05/98	CH9X8118
		Dilution Factor: 1					
		Analysis Time..: 08:04					
MS Lot-Sample #: H8E190178-001 **Prep Batch #...:** 8156159							
Aluminum	135 N	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812C
	154 N	(80 - 120)	9.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812D
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Arsenic	85	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9X8123
	88	(80 - 120)	3.0	(0-20)	SW846 6010A	06/05-06/18/98	CH9X8124
		Dilution Factor: 1					
		Analysis Time..: 17:21					
Antimony	107	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812E
	111	(80 - 120)	4.2	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812F
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Lead	82	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9X8125
	84	(80 - 120)	2.2	(0-20)	SW846 6010A	06/05-06/18/98	CH9X8126
		Dilution Factor: 1					
		Analysis Time..: 17:21					
Barium	81	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812G
	91	(80 - 120)	6.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812H
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Selenium	82	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9X8127
	85	(80 - 120)	3.9	(0-20)	SW846 6010A	06/05-06/18/98	CH9X8128
		Dilution Factor: 1					
		Analysis Time..: 17:21					
Beryllium	91	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812J
	96	(80 - 120)	4.4	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812K
		Dilution Factor: 1					
		Analysis Time..: 17:18					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 05/18/98 **Date Received..:** 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	77 N	(80 - 120)			SW846 6010A	06/05-06/18/98	CH9X8129
	80	(80 - 120)	3.3	(0-20)	SW846 6010A	06/05-06/18/98	CH9X812A
		Dilution Factor: 1					
		Analysis Time..: 17:21					
Cadmium	97	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812L
	100	(80 - 120)	2.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812M
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Calcium	94	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X812N
	114	(80 - 120)	6.4	(0-20)	SW846 6010A	06/05-06/17/98	CH9X812P
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Chromium	92	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X8119
	96	(80 - 120)	3.5	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811A
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Cobalt	91	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811C
	95	(80 - 120)	4.2	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811D
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Copper	77 N	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811E
	84	(80 - 120)	6.6	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811F
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Iron	NC,MSB	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/05-06/17/98	CH9X811H
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Magnesium	91	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811J
	106	(80 - 120)	7.2	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811K
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Manganese	86	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811L
	93	(80 - 120)	5.3	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811M
		Dilution Factor: 1					
		Analysis Time..: 17:18					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB025 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	89	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811N
	93	(80 - 120)	4.8	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811P
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Potassium	88	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811Q
	101	(80 - 120)	7.6	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811R
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Silver	94	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811T
	93	(80 - 120)	0.55	(0-20)	SW846 6010A	06/05-06/17/98	CH9X811U
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Sodium	NC,MSB	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811V
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/05-06/17/98	CH9X811W
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Vanadium	90	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X811X
	94	(80 - 120)	4.0	(0-20)	SW846 6010A	06/05-06/17/98	CH9X8120
		Dilution Factor: 1					
		Analysis Time..: 17:18					
Zinc	105	(80 - 120)			SW846 6010A	06/05-06/17/98	CH9X8121
	84	(80 - 120)	17	(0-20)	SW846 6010A	06/05-06/17/98	CH9X8122
		Dilution Factor: 1					
		Analysis Time..: 17:18					

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/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB025 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8F030000-222 **Prep Batch #...:** 8154222					
Mercury	100	(80 - 120)	SW846 7470A	06/04-06/05/98	CHN4J102
		Dilution Factor: 1			
		Analysis Time..: 07:59			
LCS Lot-Sample#: H8F050000-159 **Prep Batch #...:** 8156159					
Chromium	100	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQG710Q
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Cobalt	98	(83 - 115)	SW846 6010A	06/05-06/17/98	CHQG710R
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Copper	91	(82 - 116)	SW846 6010A	06/05-06/17/98	CHQG710T
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Iron	99	(87 - 120)	SW846 6010A	06/05-06/17/98	CHQG710U
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Magnesium	99	(82 - 120)	SW846 6010A	06/05-06/17/98	CHQG710V
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Manganese	95	(86 - 116)	SW846 6010A	06/05-06/17/98	CHQG710W
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Nickel	98	(83 - 120)	SW846 6010A	06/05-06/17/98	CHQG710X
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Antimony	105	(87 - 120)	SW846 6010A	06/05-06/17/98	CHQG711A
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Barium	89	(82 - 112)	SW846 6010A	06/05-06/17/98	CHQG711C
		Dilution Factor: 1			
		Analysis Time..: 16:32			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	99	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQG711D
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Cadmium	107	(81 - 118)	SW846 6010A	06/05-06/17/98	CHQG711E
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Calcium	102	(82 - 120)	SW846 6010A	06/05-06/17/98	CHQG711F
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Potassium	92	(81 - 115)	SW846 6010A	06/05-06/17/98	CHQG7110
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Silver	100	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQG7111
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Sodium	92	(82 - 114)	SW846 6010A	06/05-06/17/98	CHQG7112
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Vanadium	99	(88 - 117)	SW846 6010A	06/05-06/17/98	CHQG7113
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Zinc	111	(85 - 120)	SW846 6010A	06/05-06/17/98	CHQG7114
		Dilution Factor: 1			
		Analysis Time..: 16:32			
Arsenic	93	(82 - 110)	SW846 6010A	06/05-06/18/98	CHQG7115
		Dilution Factor: 1			
		Analysis Time..: 16:35			
Lead	93	(81 - 111)	SW846 6010A	06/05-06/18/98	CHQG7116
		Dilution Factor: 1			
		Analysis Time..: 16:35			
Selenium	95	(81 - 113)	SW846 6010A	06/05-06/18/98	CHQG7117
		Dilution Factor: 1			
		Analysis Time..: 16:35			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	86	(80 - 110)	SW846 6010A	06/05-06/18/98	CHQG7118
		Dilution Factor: 1			
		Analysis Time..: 16:35			
Aluminum	96	(83 - 117)	SW846 6010A	06/05-06/17/98	CHQG7119
		Dilution Factor: 1			
		Analysis Time..: 16:32			

LCS Lot-Sample#: H8F080000-196 **Prep Batch #...:** 8159196

Mercury	96	(80 - 120)	SW846 7470A	06/11/98	CHT9W102
		Dilution Factor: 1			
		Analysis Time..: 14:34			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8F030000-225 **Prep Batch #...:** 8154225					
Mercury	87	(80 - 120)	SW846 7470A	06/04-06/05/98	CHN51102
		Dilution Factor: 1			
		Analysis Time..: 08:37			
LCS Lot-Sample#: H8F050000-163 **Prep Batch #...:** 8156163					
Iron	98	(87 - 120)	SW846 6010A	06/05-06/17/98	CHQGC10Q
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Magnesium	99	(82 - 120)	SW846 6010A	06/05-06/17/98	CHQGC10R
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Manganese	94	(86 - 116)	SW846 6010A	06/05-06/17/98	CHQGC10T
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Nickel	96	(83 - 120)	SW846 6010A	06/05-06/17/98	CHQGC10U
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Potassium	92	(81 - 115)	SW846 6010A	06/05-06/17/98	CHQGC10V
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Silver	100	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQGC10W
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Sodium	91	(82 - 114)	SW846 6010A	06/05-06/17/98	CHQGC10X
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Cadmium	105	(81 - 118)	SW846 6010A	06/05-06/17/98	CHQGC11A
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Calcium	101	(82 - 120)	SW846 6010A	06/05-06/17/98	CHQGC11C
		Dilution Factor: 1			
		Analysis Time..: 16:43			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	101	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQGC11D
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Cobalt	98	(83 - 115)	SW846 6010A	06/05-06/17/98	CHQGC11E
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Copper	91	(82 - 116)	SW846 6010A	06/05-06/17/98	CHQGC11F
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Vanadium	98	(88 - 117)	SW846 6010A	06/05-06/17/98	CHQGC110
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Zinc	110	(85 - 120)	SW846 6010A	06/05-06/17/98	CHQGC111
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Arsenic	92	(82 - 110)	SW846 6010A	06/05-06/18/98	CHQGC112
		Dilution Factor: 1			
		Analysis Time..: 16:24			
Lead	91	(81 - 111)	SW846 6010A	06/05-06/18/98	CHQGC113
		Dilution Factor: 1			
		Analysis Time..: 16:24			
Selenium	94	(81 - 113)	SW846 6010A	06/05-06/18/98	CHQGC114
		Dilution Factor: 1			
		Analysis Time..: 16:24			
Thallium	85	(80 - 110)	SW846 6010A	06/05-06/18/98	CHQGC115
		Dilution Factor: 1			
		Analysis Time..: 16:24			
Aluminum	95	(83 - 117)	SW846 6010A	06/05-06/17/98	CHQGC116
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Antimony	104	(87 - 120)	SW846 6010A	06/05-06/17/98	CHQGC117
		Dilution Factor: 1			
		Analysis Time..: 16:43			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB025 **Matrix.....:** WATER

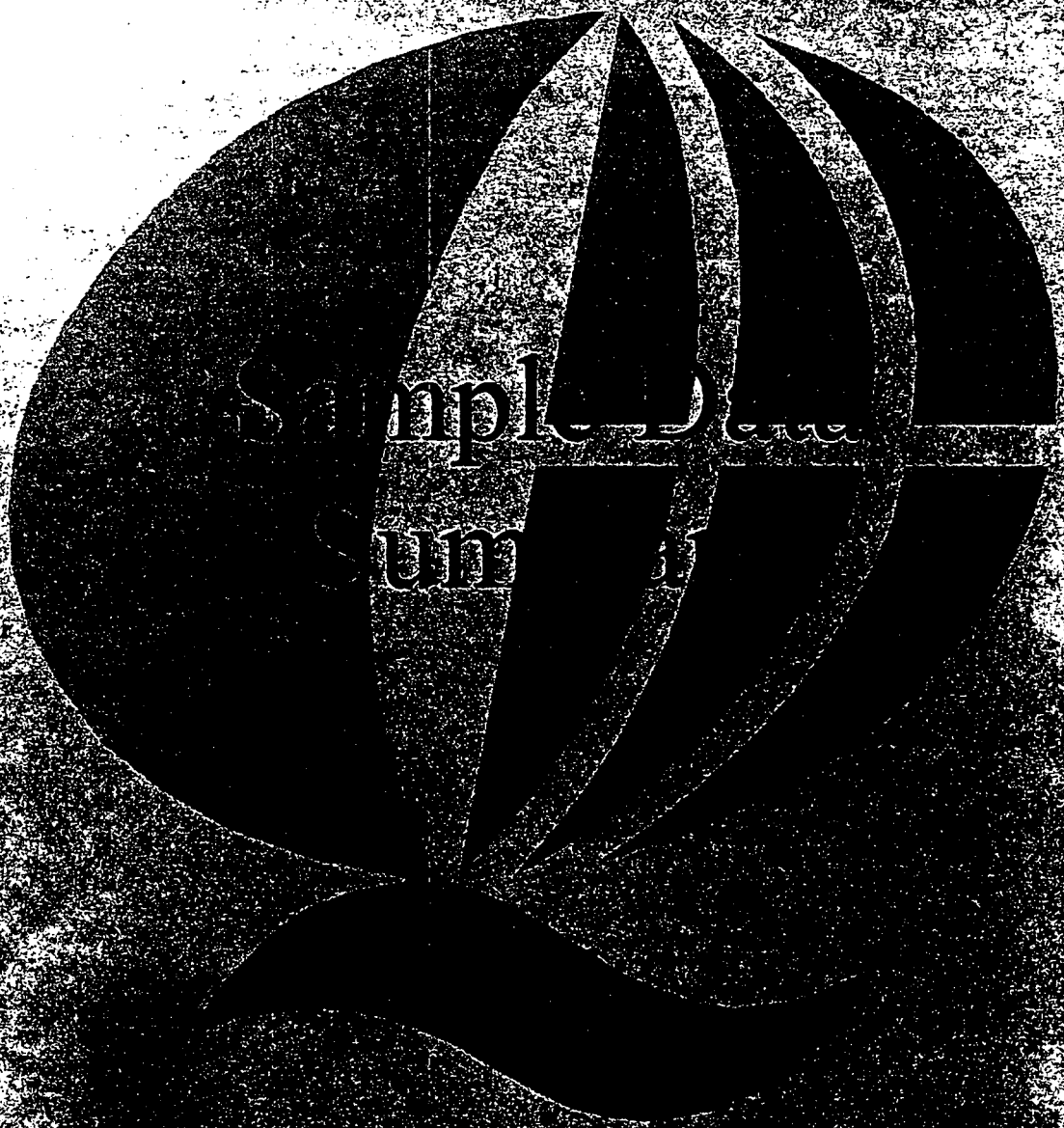
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	89	(82 - 112)	SW846 6010A	06/05-06/17/98	CHQGC118
		Dilution Factor: 1			
		Analysis Time..: 16:43			
Beryllium	98	(80 - 120)	SW846 6010A	06/05-06/17/98	CHQGC119
		Dilution Factor: 1			
		Analysis Time..: 16:43			

LCS Lot-Sample#: H8F080000-197 **Prep Batch #...:** 8159197

Mercury	99	(80 - 120)	SW846 7470A	06/11/98	CHTA7102
		Dilution Factor: 1			
		Analysis Time..: 15:41			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 5425

General Chemistry

Lot-Sample #...: H8E190178-001 Work Order #...: CH9X8 Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

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	05/29/98	8152339
	Dilution Factor: 1					
Chloride - Automated	600	10	mg/L	MCAWW 325.2	06/08/98	8161144
	Dilution Factor: 10					
Hardness, as CaCO3	650	10	mg/L	MCAWW 130.2	06/08/98	8160128
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 100					
Sulfate	120	50	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	5	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	9.0	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.3 - 4.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5645

General Chemistry

Lot-Sample #...: H8E190178-003 Work Order #...: CH9XA Matrix.....: WATER
Date Sampled...: 05/18/98 Date Received..: 05/19/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	250	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	27	1	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1					
Hardness, as CaCO3	720	10	mg/L	MCAWW 130.2	06/08/98	8160128
	Dilution Factor: 5					
Nitrate	0.4	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1					
Sulfate	990	250	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 50					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
	Dilution Factor: 1					
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
	Dilution Factor: 1					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 2					
Total Suspended Solids	280	8.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 2.6 - 2.8

IT CORPORATION - KNOXVILLE

Client Sample ID: 5595

General Chemistry

Lot-Sample #...: H8E200191-001 Work Order #...: CHAWW Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	410	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Nitrate	0.1	0.1	mg/L	MCAWW 353.2	05/20/98	8155228
	Dilution Factor: 1					
Sulfate	790	250	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 50					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 1					
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.2 - 2.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5815

General Chemistry

Lot-Sample #...: H8E200191-002 Work Order #...: CHAX4 Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	410	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	400	10	mg/L	MCAWW 325.2	06/08/98	8161144
	Dilution Factor: 10					
Hardness, as CaCO3	2200	20	mg/L	MCAWW 130.2	06/08/98	8160128
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/20/98	8155228
	Dilution Factor: 1					
Sulfate	340	250	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 50					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 1					
Total Dissolved Solids	1700	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	6	2	mg/L	SW846 9060	06/14/98	8169169
	Dilution Factor: 2					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 5.4 - 5.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5945

General Chemistry

Lot-Sample #...: H8E200191-003 Work Order #...: CHAXH Matrix.....: WATER
Date Sampled...: 05/19/98 Date Received..: 05/20/98

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	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	1200	200	mg/L	MCAWW 325.2	06/08/98	8161144
	Dilution Factor: 200					
Hardness, as CaCO3	10000	1000	mg/L	MCAWW 130.2	06/08/98	8160128
	Dilution Factor: 500					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/20/98	8155228
	Dilution Factor: 1					
Sulfate	18	10	mg/L	MCAWW 375.4	06/04/98	8146256
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 1					
Total Dissolved Solids	33000	100	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 10					
Total Dissolved Solids	22000	100	mg/L	MCAWW 160.1	05/28-05/29/98	8155216
	Dilution Factor: 10					
Total Organic Carbon	3	1	mg/L	SW846 9060	06/03-06/04/98	8156164
	Dilution Factor: 1					
Total Suspended Solids	100	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.1 - 3.4

IT CORPORATION - KNOXVILLE

Client Sample ID: 5695

General Chemistry

Lot-Sample #...: H8E220101-001 Work Order #...: CHD6J Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	840	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	9500	1000	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1000					
Hardness, as CaCO3	2300	20	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 10					
Nitrate	170	20		MCAWW 353.2	06/19/98	8177135
	Dilution Factor: 1					
Nitrate	190	20	mg/L	MCAWW 353.2	05/21/98	8169138
	Dilution Factor: 200					
Sulfate	5400	1000	mg/L	MCAWW 375.4	06/04/98	8152179
	Dilution Factor: 200					
Total Cyanide	0.20	0.020	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 2					
Total Dissolved Solids	18000	50	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 5					
Total Dissolved Solids	13000	100	mg/L	MCAWW 160.1	05/28-05/29/98	8155216
	Dilution Factor: 10					
Total Organic Carbon	2900	200	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 200					
Total Suspended Solids	17	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2865 - 2955

IT CORPORATION - KNOXVILLE

Client Sample ID: 5705

General Chemistry

Lot-Sample #...: H8E220101-003 Work Order #...: CHD6M Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	1500	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	4700	1000	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1000					
Hardness, as CaCO3	3100	100	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 50					
Nitrate	1600	100		MCAWW 353.2	06/19/98	8177135
	Dilution Factor: 1000					
Nitrate	1500	20	mg/L	MCAWW 353.2	05/21/98	8169138
	Dilution Factor: 200					
Sulfate	12000	2000	mg/L	MCAWW 375.4	06/04/98	8152179
	Dilution Factor: 400					
Total Cyanide	1.7	0.10	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 10					
Total Dissolved Solids	49000	100	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 10					
Total Dissolved Solids	40000	100	mg/L	MCAWW 160.1	05/28-05/29/98	8155216
	Dilution Factor: 10					
Total Organic Carbon	11000	2000	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2000					
Total Suspended Solids	79	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 10969 - 11422

IT CORPORATION - KNOXVILLE

Client Sample ID: 5715

General Chemistry

Lot-Sample #...: H8E220101-004 Work Order #...: CHD6N Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	810	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	3600	1000	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1000					
Hardness, as CaCO3	1200	100	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 50					
Nitrate	40	20		MCAWW 353.2	06/19/98	8177135
	Dilution Factor: 200					
Nitrate	110	20	mg/L	MCAWW 353.2	05/21/98	8169138
	Dilution Factor: 200					
Sulfate	1600	500	mg/L	MCAWW 375.4	06/04/98	8152179
	Dilution Factor: 100					
Total Cyanide	0.072	0.020	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 2					
Total Dissolved Solids	6400	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	930	100	mg/L	SW846 9060	06/14/98	8169169
	Dilution Factor: 100					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 894 - 109

IT CORPORATION - KNOXVILLE

Client Sample ID: 5845

General Chemistry

Lot-Sample #...: H8E220101-005 Work Order #...: CHD6P Matrix.....: WATER
Date Sampled...: 05/20/98 Date Received..: 05/21/98

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	05/29/98	8153211
	Dilution Factor: 1					
Chloride - Automated	7	1	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1					
Hardness, as CaCO3	1600	20	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 10					
Nitrate	0.1	0.1		MCAWW 353.2	06/19/98	8177135
	Dilution Factor: 1					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/21/98	8169138
	Dilution Factor: 1					
Sulfate	1100	500	mg/L	MCAWW 375.4	06/04/98	8152179
	Dilution Factor: 100					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/01/98	8152219
	Dilution Factor: 1					
Total Dissolved Solids	2000	10	mg/L	MCAWW 160.1	05/22-05/29/98	8149182
	Dilution Factor: 1					
Total Organic Carbon	9	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 8.5 - 8.6

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CHLKD101		MB Lot-Sample #:	B8F010000-339	
	ND	5.0	mg/L	MCAWW 310.1	05/29/98	8152339
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CHLV4101		MB Lot-Sample #:	B8F020000-211	
	ND	5.0	mg/L	MCAWW 310.1	05/29/98	8153211
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHMNF101		MB Lot-Sample #:	B8F030000-154	
	ND	1	mg/L	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHVN5101		MB Lot-Sample #:	B8F100000-144	
	ND	1	mg/L	MCAWW 325.2	06/08/98	8161144
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHTP2101		MB Lot-Sample #:	B8F090000-128	
	ND	2	mg/L	MCAWW 130.2	06/08/98	8160128
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHXVC101		MB Lot-Sample #:	B8F120000-140	
	ND	2	mg/L	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1				
Nitrate		Work Order #: CHPH3101		MB Lot-Sample #:	B8F040000-227	
	ND	0.1	mg/L	MCAWW 353.2	05/19/98	8155227
		Dilution Factor: 1				
Nitrate		Work Order #: CHPHF101		MB Lot-Sample #:	B8F040000-228	
	ND	0.1	mg/L	MCAWW 353.2	05/20/98	8155228
		Dilution Factor: 1				
Nitrate		Work Order #: CJCKM101		MB Lot-Sample #:	B8F180000-138	
	ND	0.1	mg/L	MCAWW 353.2	05/21/98	8169138
		Dilution Factor: 1				
Nitrate		Work Order #: CJCL7101		MB Lot-Sample #:	B8F260000-135	
	ND	0.1		MCAWW 353.2	06/19/98	8177135
		Dilution Factor: 1				
Sulfate		Work Order #: CHFHM101		MB Lot-Sample #:	B8E260000-256	
	ND	5	mg/L	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: CHKX7101		MB Lot-Sample #:	B8F010000-179	
	ND	5	mg/L	MCAWW 375.4	06/04/98	8152179
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHKFP101		MB Lot-Sample #:	B8E300000-123	
	ND	0.010	mg/L	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1				
Total Cyanide		Work Order #: CHL56101		MB Lot-Sample #:	B8F010000-219	
	ND	0.010	mg/L	SW846 9010A	06/01/98	8152219
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHGRK101		MB Lot-Sample #:	B8E280000-162	
	ND	10	mg/L	MCAWW 160.1	05/22-05/26/98	8148162
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHJ9K101		MB Lot-Sample #:	B8E290000-182	
	ND	10	mg/L	MCAWW 160.1	05/22-05/26/98	8149182
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHPFX101		MB Lot-Sample #:	B8F040000-216	
	ND	10	mg/L	MCAWW 160.1	05/28-05/29/98	8155216
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CHQGD101		MB Lot-Sample #:	B8F050000-164	
	ND	1	mg/L	SW846 9060	06/03/98	8156164
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CJ4DR101		MB Lot-Sample #:	B8F180000-169	
	ND	1	mg/L	SW846 9060	06/14/98	8169169
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CJ4DV101		MB Lot-Sample #:	B8F180000-170	
	ND	1	mg/L	SW846 9060	06/16/98	8169170
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHFKM101		MB Lot-Sample #:	B8E260000-280	
	ND	4.0	mg/L	MCAWW 160.2	05/22-05/26/98	8146280
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: CHJDA101		MB Lot-Sample #:	B8E290000-192	
	ND	4.0	mg/L	MCAWW 160.2	05/26-05/27/98	8149192
		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 #...: PB025 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		WO#:	CHAEG11A-MS/CHAEG11C-MSD			MS Lot-Sample #:	H8E200144-001
	108	(90 - 110)			MCAWW 310.1	05/29/98	8152339
	106	(90 - 110)	1.4	(0-20)	MCAWW 310.1	05/29/98	8152339
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#:	CHAEP10F-MS/CHAEP10G-MSD			MS Lot-Sample #:	H8E200144-002
	108	(90 - 110)			MCAWW 310.1	05/29/98	8153211
	106	(90 - 110)	1.8	(0-20)	MCAWW 310.1	05/29/98	8153211
		Dilution Factor: 1					
Chloride - Automated		WO#:	CHDM010Q-MS/CHDM010R-MSD			MS Lot-Sample #:	H8E220157-001
	113	(90 - 114)			MCAWW 325.2	06/08/98	8161144
	107	(90 - 114)	4.2	(0-12)	MCAWW 325.2	06/08/98	8161144
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CHDM010J-MS/CHDM010K-MSD			MS Lot-Sample #:	H8E220157-001
	100	(90 - 110)			MCAWW 130.2	06/08/98	8160128
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/08/98	8160128
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CHK1J12Q-MS/CHK1J12R-MSD			MS Lot-Sample #:	H8E290237-004
	100	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	102	(90 - 110)	1.1	(0-20)	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1					
Hardness, as CaCO3		WO#:	CHMK212Q-MS/CHMK212R-MSD			MS Lot-Sample #:	H8F020185-001
	102	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	102	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1					
Nitrate		WO#:	CHAWW115-MS/CHAWW116-MSD			MS Lot-Sample #:	H8E200191-001
	113 N,MSC	(90 - 110)			MCAWW 353.2	05/20/98	8155228
	99	(90 - 110)	10	(0-10)	MCAWW 353.2	05/20/98	8155228
		Dilution Factor: 1					
Nitrate		WO#:	CHD6P119-MS/CHD6P11A-MSD			MS Lot-Sample #:	H8E220101-005
	98	(90 - 110)			MCAWW 353.2	05/21/98	8169138
	100	(90 - 110)	2.0	(0-10)	MCAWW 353.2	05/21/98	8169138
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB025 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:	CH9XA119-MS/CH9XA11A-MSD			MS Lot-Sample #:	H8E190178-003
	96	(90 - 110)			MCAWW 353.2	05/19/98	8155227
	95	(90 - 110)	0.27	(0-10)	MCAWW 353.2	05/19/98	8155227
		Dilution Factor: 1					
Sulfate		WO#:	CHAEG10U-MS/CHAEG10V-MSD			MS Lot-Sample #:	H8E200144-001
	90	(80 - 120)			MCAWW 375.4	06/04/98	8146256
	90	(80 - 120)	0.0	(0-20)	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1					
Sulfate		WO#:	CHDM010X-MS/CHDM0110-MSD			MS Lot-Sample #:	H8E220157-001
	94	(80 - 120)			MCAWW 375.4	06/04/98	8152179
	97	(80 - 120)	3.1	(0-20)	MCAWW 375.4	06/04/98	8152179
		Dilution Factor: 1					
Total Cyanide		WO#:	CHC9110X-MS/CHC91110-MSD			MS Lot-Sample #:	B8E2101T7-001
	76	(56 - 128)			SW846 9010A	06/01/98	8152219
	82	(56 - 128)	7.6	(0-18)	SW846 9010A	06/01/98	8152219
		Dilution Factor: 1					
Total Cyanide		WO#:	CH9XA117-MS/CH9XA118-MSD			MS Lot-Sample #:	H8E190178-003
	72	(56 - 128)			SW846 9010A	05/29/98	8150123
	84	(56 - 128)	14	(0-18)	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CHK1J138-MS/CHK1J139-MSD			MS Lot-Sample #:	H8E290237-004
	91	(90 - 112)			SW846 9060	06/14-06/15/98	8169169
	91	(90 - 112)	0.17	(0-20)	SW846 9060	06/14-06/15/98	8169169
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CHMK2134-MS/CHMK2135-MSD			MS Lot-Sample #:	H8F020185-001
	91	(90 - 112)			SW846 9060	06/16-06/17/98	8169170
	92	(90 - 112)	0.57	(0-20)	SW846 9060	06/16-06/17/98	8169170
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CH92R115-MS/CH92R116-MSD			MS Lot-Sample #:	H8E180160-001
	93	(90 - 112)			SW846 9060	06/03/98	8156164
	96	(90 - 112)	1.0	(0-20)	SW846 9060	06/03/98	8156164
		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 #...: H8E190178 **Work Order #...:** CHAC3-SMP CHAC3-DUP **Matrix.....:** WATER

Date Sampled...: 05/19/98 **Date Received..:** 05/20/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	B8E200140-005	
	240	230	mg/L	5.7	(0-20)	MCAWW 160.1	05/22-05/26/98	8148162

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E190178 **Work Order #...:** CHD6P-SMP CHD6P-DUP **Matrix.....:** WATER

Date Sampled...: 05/20/98 **Date Received..:** 05/21/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	H8E220101-005	
	2000	2200	mg/L	11	(0-20)	MCAWW 160.1	05/22-05/29/98	8149182
		Dilution Factor: 1						
Total Suspended Solids						SD Lot-Sample #:	H8E220101-005	
	7.0	6.0	mg/L	15	(0-20)	MCAWW 160.2	05/26-05/27/98	8149192
		Dilution Factor: 1						

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		Work Order #: CJCL7102	LCS Lot-Sample#: B8F260000-135		
	99	(90 - 110)	MCAWW 353.2	06/19/98	8177135
		Dilution Factor: 1			
Sulfate		Work Order #: CHFHM102	LCS Lot-Sample#: B8E260000-256		
	93	(90 - 110)	MCAWW 375.4	06/04/98	8146256
		Dilution Factor: 1			
Sulfate		Work Order #: CHKX7102	LCS Lot-Sample#: B8F010000-179		
	97	(90 - 110)	MCAWW 375.4	06/04/98	8152179
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHKFP102	LCS Lot-Sample#: B8E300000-123		
	88	(65 - 119)	SW846 9010A	05/29/98	8150123
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHL56102	LCS Lot-Sample#: B8F010000-219		
	84	(65 - 119)	SW846 9010A	06/01/98	8152219
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: CHQGD102	LCS Lot-Sample#: B8F050000-164		
	93	(90 - 112)	SW846 9060	06/03/98	8156164
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: CHFKM102	LCS Lot-Sample#: B8E260000-280		
	95	(76 - 121)	MCAWW 160.2	05/22-05/26/98	8146280
		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 #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH	WO#:CHLKD102-LCS/CHLKD103-LCSD					LCS Lot-Sample#: B8F010000-339	
	108	(90 - 110)			MCAWW 310.1	05/29/98	8152339
	108	(90 - 110)	0.0	(0-20)	MCAWW 310.1	05/29/98	8152339
	Dilution Factor: 1						
Alkalinity as CaCO3 to pH	WO#:CHLV4102-LCS/CHLV4103-LCSD					LCS Lot-Sample#: B8F020000-211	
	106	(90 - 110)			MCAWW 310.1	05/29/98	8153211
	108	(90 - 110)	1.9	(0-20)	MCAWW 310.1	05/29/98	8153211
	Dilution Factor: 1						
Chloride - Automated	WO#:CHMNF102-LCS/CHMNF103-LCSD					LCS Lot-Sample#: B8F030000-154	
	110	(90 - 115)			MCAWW 325.2	06/02/98	8154154
	111	(90 - 115)	0.81	(0-20)	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1						
Chloride - Automated	WO#:CHVN5102-LCS/CHVN5103-LCSD					LCS Lot-Sample#: B8F100000-144	
	106	(90 - 115)			MCAWW 325.2	06/08/98	8161144
	99	(90 - 115)	6.4	(0-20)	MCAWW 325.2	06/08/98	8161144
	Dilution Factor: 1						
Hardness, as CaCO3	WO#:CHTP2102-LCS/CHTP2103-LCSD					LCS Lot-Sample#: B8F090000-128	
	100	(90 - 110)			MCAWW 130.2	06/08/98	8160128
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/08/98	8160128
	Dilution Factor: 1						
Hardness, as CaCO3	WO#:CHXVC102-LCS/CHXVC103-LCSD					LCS Lot-Sample#: B8F120000-140	
	100	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 1						
Nitrate	WO#:CHPHF102-LCS/CHPHF103-LCSD					LCS Lot-Sample#: B8F040000-228	
	94	(90 - 110)			MCAWW 353.2	05/20/98	8155228
	92	(90 - 110)	1.6	(0-20)	MCAWW 353.2	05/20/98	8155228
	Dilution Factor: 1						
Nitrate	WO#:CHPH3102-LCS/CHPH3103-LCSD					LCS Lot-Sample#: B8F040000-227	
	98	(90 - 110)			MCAWW 353.2	05/19/98	8155227
	97	(90 - 110)	0.51	(0-20)	MCAWW 353.2	05/19/98	8155227
	Dilution Factor: 1						

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB025 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:CHGRK102-LCS/CHGRK103-LCSD				LCS Lot-Sample#: B8E280000-162	
	101	(84 - 114)			MCAWW 160.1	05/22-05/26/98	8148162
	105	(84 - 114)	4.0	(0-20)	MCAWW 160.1	05/22-05/26/98	8148162
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHJ9K102-LCS/CHJ9K103-LCSD				LCS Lot-Sample#: B8E290000-182	
	96	(84 - 114)			MCAWW 160.1	05/22-05/26/98	8149182
	97	(84 - 114)	1.6	(0-20)	MCAWW 160.1	05/22-05/26/98	8149182
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHPFX102-LCS/CHPFX103-LCSD				LCS Lot-Sample#: B8F040000-216	
	98	(84 - 114)			MCAWW 160.1	05/28-05/29/98	8155216
	99	(84 - 114)	0.91	(0-20)	MCAWW 160.1	05/28-05/29/98	8155216
		Dilution Factor: 1					
Total Organic Carbon		WO#:CJ4DR102-LCS/CJ4DR103-LCSD				LCS Lot-Sample#: B8F180000-169	
	94	(90 - 112)			SW846 9060	06/14/98	8169169
	96	(90 - 112)	2.0	(0-20)	SW846 9060	06/14/98	8169169
		Dilution Factor: 1					
Total Organic Carbon		WO#:CJ4DV102-LCS/CJ4DV103-LCSD				LCS Lot-Sample#: B8F180000-170	
	94	(90 - 112)			SW846 9060	06/16-06/17/98	8169170
	93	(90 - 112)	0.79	(0-20)	SW846 9060	06/16-06/17/98	8169170
		Dilution Factor: 1					
Total Suspended Solids		WO#:CHJDA102-LCS/CHJDA103-LCSD				LCS Lot-Sample#: B8E290000-192	
	96	(76 - 121)			MCAWW 160.2	05/26-05/27/98	8149192
	96	(76 - 121)	0.0	(0-20)	MCAWW 160.2	05/26-05/27/98	8149192
		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# PB025

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	DISS	TOTAL	ALK	TOC	NO3	SO4	CL	HARD	CN	TSS	TDS	EXP
				8260A	8270B	8081	6010A	6010A	310.1	9060	353.2	375.3	325.3	130.2	9010A	160.2	160.1	8330
1	5/19/98	H8E190178	5425	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
2			5535R	X	X	X												X
3			5645	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
4			5665R	X	X	X												X
5			5905R	X	X	X												X
6			9016	X														
7	5/20/98	H8E200191	5595	X	X	X	X	X	T	T	T	T			T	T	T	X
8			5815		X	X	X	X	T	T	T	T	T	T	T	T	T	X
9			5945	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
10			9017	X														
11	5/21/98	H8E220101	5695	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
12			5696	X	X	X	X	X										X
13			5705	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
14			5715	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
15			5845	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
16			9018	X														
17																		
18																		
19																		
20																		

A = ARVADA
T = QES TAMPA
WS = QES WEST SACRAMENTO

MATRIX: WATER
ANALYTICAL DUE: 6-11-98
REPORT DUE: 6-15-98
CLOSED?__YES__

7/1/98 5:41 PM

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E190178

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: Bryan Blomgren DATE: 5/19/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20981			
b. Informed Login associates of special instructions ?			✓
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/19/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5425 + 5645	Diss. Metals	4a	Preservative added.

☐ Client informed on _____ by _____. Person contacted: _____.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/20/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: L.T. KNX PROJECT: PBOW Lot No.: H8E190178

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/20/98

QA016R7.doc, 01/29/98

Quote# 20941

H8E190178

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW051898QESK2

Project Number: 773206

Samples Shipment Date: 18-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624829910

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 [X]

Sample Disposal:

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/18/98 Time: 1500

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

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

1. Received By (Signature/Affiliation) [signature] Date: 5/19/98 Time: 0930

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

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

Comments:

Rec'd @ 2°C
w/Custody Seals
Intact BPB 5/19/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 = Total pH<2 = Diss
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5535R	PBOW-98-GW-ITMW01-5535	18-MAY-98	15:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5535R	PBOW-98-GW-ITMW01-5535	18-MAY-98	15:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5535R	PBOW-98-GW-ITMW01-5535	18-MAY-98	15:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

H8E190178

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW051898QESK2

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5535R	PBOW-98-GW-ITMW01-5535	18-MAY-98	15:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 = Total pH<2 = Diss
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW8081	N		
5665R	PBOW-98-GW-TNTCMW6-5665	18-MAY-98	14:30	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5665R	PBOW-98-GW-TNTCMW6-5665	18-MAY-98	14:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5665R	PBOW-98-GW-TNTCMW6-5665	18-MAY-98	14:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5665R	PBOW-98-GW-TNTCMW6-5665	18-MAY-98	14:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5905R	PBOW-98-GW-BEDMW14-5905	18-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5905R	PBOW-98-GW-BEDMW14-5905	18-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5905R	PBOW-98-GW-BEDMW14-5905	18-MAY-98	14:45	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5905R	PBOW-98-GW-BEDMW14-5905	18-MAY-98	14:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
9016		18-MAY-98	15:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW051898QEST2

Project Number: 773206

Samples Shipment Date: 18-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex#801624862788

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)	Date: 5/18/98 Time: 1800	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L HDPE	1	None except cool to 4 C	Chloride by E325.3 in water, Sulfate by E375.3 in water	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5425	PBOW-98-GW-TNTB-BEDGW-001-542	18-MAY-98	14:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW051898QEST2

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5645	PBOW-98-GW-TNTCMW4-5645	18-MAY-98	11:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		

QUANTERRA KNOXVILLE LABORATORY

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT CORP **PROJECT:** PHIMBROOK **Lot No.:** H8E200191

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received? BKR 5-20-98	✓	✓	
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5-20-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions ?			✓
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/20/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
8815	8260A	4B	NOT RECEIVED
			*CANCEL SAMPLE ANALYSES.

☑ Client informed on 5/21/98 by JSR. Person contacted: KIM NAPIER.
☑ Noted actions in comments/section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/21/98

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T.KNX PROJECT: PBOW Lot No.: HPE210191

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/21/98

QA016R7.doc, 01/29/98

H8E200191

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051998QESK

Project Number: 773206
Samples Shipment Date: 19-MAY-98
Project Name: PLUMBROOK ORDNANCE WOR
ab Destination: Quanterra - Knoxville
Sample Coordinator: Duane Nielsen
Lab Contact: John Reynolds
Turnaround Time:
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/801624849921

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) [signature] Date: 5/19/98 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Diane Lange Date: 5/20/98 Time: 9:15
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: 1L TOTAL METALS; 1L FILTERED METALS

custody seals intact
received at 2°C 5/20/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5595 /	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5595 /	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5595 /	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5595 /	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW8081	N		
5595 /	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5815 /	PBOW-98-GW-MKMW20-5815	19-MAY-98	10:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5815 /	PBOW-98-GW-MKMW20-5815	19-MAY-98	10:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

HBF-200191

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5815	PBOW-98-GW-MKMW20-5815	19-MAY-98	10:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5815	PBOW-98-GW-MKMW20-5815	19-MAY-98	10:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5815	PBOW-98-GW-MKMW20-5815	19-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
9017		19-MAY-98	12:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

H8E200191

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051998QEST

Project Number: 773208

Samples Shipment Date: 19-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex#601624652777

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)	Date: 5/19/98 Time: 1600	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5595	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5595	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5595	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L HDPE	1	None except cool to 4 C	Sulfate by E375.3 in water	N		
5595	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5595	PBOW-98-GW-ITMW09-5595	19-MAY-98	15:45	40 ml GVIAL_SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total	N		

1-HBE200191

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051998QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water			
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5815	PBOW-98-GW-MIGMW20-5815	19-MAY-98	10:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5945	PBOW-98-GW-BEDMW18-5945	19-MAY-98	08:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		

FROM : IT Corp-WaOW Site PHONE NO. : 304 675 4236 May. 20 1998 06:07AM P3

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: I.T.KNX PROJECT: PBOW Lot No.: H8E220101

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: Bryan Blomquist DATE: 5/21/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions ?	✓		
per SDG PB... * CLOSE OUT ALL OPEN SDG's..		✓	
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/21/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action Taken
5695	metals	4d	Total = pH5, Diss = pH3
5696	↓	4d	↓ ↓
5705	↓	4d	Tot+Diss=pH7
			*reserve in lab.

☐ Client informed on _____ by _____. Person contacted: _____.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/21/98

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	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): _____

_____

_____

_____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T.KNX PROJECT: PBOW Lot No.: HPE220101

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?			
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?	✓		
c. If samples were subcontracted, was copy of COC in folder?			✓
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?	✓		
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: [signature] DATE: 5/22/98

QA016R7.doc, 01/29/98

Quote# 20941

H&E 220101

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052098QESK

Project Number: 773206

Samples Shipment Date: 20-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849932

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)	Date: 5/20/98 Time: 1600	1. Received By (Signature/Affiliation)	Date: 5-21-98 Time: 10:30
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:

2oc seals intact

Comments: 1L TOTAL METALS; 1L FILTERED METALS

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		pH=5 Total pH=3 Diss
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5696	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH=5 Total pH=3 Diss
5696	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8E220101

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5696	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5696	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5696	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		BPG = Total
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH= ~~5~~ Diss, pH= ~~5~~ Total
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
9018		20-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052098QEST

Project Number: 773208

Samples Shipment Date: 20-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: QUANTERRA, TAMPA LABORATORY

Sample Coordinator: Duane Nielsen

Lab Contact: MICHELE LERSCH

Tumaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex#801824652766

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)	Date: 5/20/98 Time: 1600	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:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5695	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052098QEST

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5705	PBOW-98-GW-PRMW8-5705	20-MAY-98	08:00	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5715	PBOW-98-GW-PRMW9-5715	20-MAY-98	09:30	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L HDPE	1	None except cool to 4 C	ALKALINITY by E310.1 in water, Total Dissolved Solids by E160.1 in water, Total Suspended Solids by E160.2 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L HDPE	1	None except cool to 4 C	Chloride be E325.3 in water, Sulfate by E375.3 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L HDPE	1	HNO3, pH<2	Hardness by E130.2 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	1 L HDPE	1	[redacted]	Nitrate by E353.2 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	40 ml GVIAL,SEP	3	pH<2 H2SO4	Total Organic Carbon by SW9060 in water	N		
5845	PBOW-98-GW-MKMW24-5845	20-MAY-98	07:35	500 ml HDPE	1	NaOH>pH 12	Total Cyanide by SW-846 9010A	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-GW Dry Season Event
SDG #: PB026

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

July 8, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB026 : H8E280186

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHHL1	001	5795	05/27/98	10:50
CHHL2	002	5815R	05/27/98	12:30
CHHL3	003	9020	05/27/98	12:00
CHHL4	004	5795	05/27/98	10:50

NOTE(S) :

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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB026 : H8E290237

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHK1E	001	5445	05/28/98	13:20
CHK1F	002	5555	05/28/98	13:00
CHK1G	003	5556	05/28/98	13:00
CHK1J	004	5565	05/28/98	09:00
CHK24	005	5915	05/28/98	07:50
CHK3E	006	5965	05/28/98	10:00
CHK3J	007	9021	05/28/98	11:00
CHK3N	008	5445	05/28/98	13:20
CHK41	009	5555	05/28/98	13:00
CHK45	010	5556	05/28/98	13:00
CHK47	011	5565	05/28/98	09:00
CHK49	012	5915	05/28/98	07:50
CHK4A	013	5965	05/28/98	10:00

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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB026 : H8E300151

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHKN0	001	5615	05/29/98	09:45
CHKN1	002	5616	05/29/98	09:45
CHKN2	003	5625	05/29/98	13:30
CHKN3	004	5835	05/29/98	10:00
CHKN4	005	5895	05/29/98	09:00
CHKN5	006	5935	05/29/98	13:00
CHKN6	007	9023	05/29/98	11:00
CHKN7	008	5615	05/29/98	09:45
CHKN8	009	5616	05/29/98	09:45
CHKN9	010	5625	05/29/98	13:30
CHKNA	011	5835	05/29/98	10:00
CHKNC	012	5895	05/29/98	09:00
CHKND	013	5935	05/29/98	13:00

NOTE(S) :

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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB026 : H8F020185

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CHMK2	001	5805	06/01/98	07:30
CHMK3	002	5925	06/01/98	09:30
CHMK4	003	5975	06/01/98	13:00
CHMK5	004	9025	06/01/98	11:00
CHMK7	005	5805	06/01/98	07:30
CHMK8	006	5925	06/01/98	09:30
CHMK9	007	5975	06/01/98	13:00

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

SDG SAMPLE SUMMARY REPORT

PB026

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E290146-003	D	05/29/98	LAB MS/MSD
B8E290146-003	S	05/29/98	LAB MS/MSD
B8F030000-154	L	05/22/98	DUPLICATE CHECK
B8F030133-005	X	06/03/98	INTRA-LAB QC
B8F030198-003	D	06/03/98	LAB MS/MSD
B8F030198-003	S	06/03/98	LAB MS/MSD
B8F040111-001	X	06/04/98	INTRA-LAB QC
B8F080000-302	L	05/29/98	DUPLICATE CHECK
B8F080000-303	L	05/30/98	DUPLICATE CHECK
B8F080000-304	L	06/02/98	DUPLICATE CHECK
B8F090000-236	L	06/03/98	DUPLICATE CHECK
B8F090000-241	L	06/04/98	DUPLICATE CHECK
B8F090000-252	L	05/30/98	DUPLICATE CHECK
B8F090000-255	L	05/30/98	DUPLICATE CHECK
B8F090000-273	L	05/29/98	DUPLICATE CHECK
B8F100000-140	L	05/30/98	DUPLICATE CHECK
B8F120000-140	L	05/29/98	DUPLICATE CHECK
B8F120000-145	L	06/03/98	DUPLICATE CHECK
B8F120000-147	L	06/02/98	DUPLICATE CHECK
B8F180000-169	L	05/21/98	DUPLICATE CHECK
B8F180000-170	L	05/21/98	DUPLICATE CHECK
H8E280186-001		05/28/98	5795
H8E280186-002		05/28/98	5815R
H8E280186-003		05/28/98	9020
H8E280186-004		05/28/98	5795
H8E290237-001		05/29/98	5445
H8E290237-002		05/29/98	5555
H8E290237-003		05/29/98	5556
H8E290237-004		05/29/98	5565
H8E290237-004	D	05/29/98	5565
H8E290237-004	S	05/29/98	5565
H8E290237-005		05/29/98	5915

(Continued on next page)

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB026

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
H8E290237-006		05/29/98	5965
H8E290237-007		05/29/98	9021
H8E290237-008		05/29/98	5445
H8E290237-009		05/29/98	5555
H8E290237-010		05/29/98	5556
H8E290237-011		05/29/98	5565
H8E290237-011	D	05/29/98	5565
H8E290237-011	S	05/29/98	5565
H8E290237-012		05/29/98	5915
H8E290237-013		05/29/98	5965
H8E300151-001		05/30/98	5615
H8E300151-001	D	05/30/98	5615
H8E300151-001	S	05/30/98	5615
H8E300151-002		05/30/98	5616
H8E300151-003		05/30/98	5625
H8E300151-003	D	05/30/98	5625
H8E300151-003	S	05/30/98	5625
H8E300151-004		05/30/98	5835
H8E300151-005		05/30/98	5895
H8E300151-006		05/30/98	5935
H8E300151-006	X	05/30/98	5935 DUP
H8E300151-007		05/30/98	9023
H8E300151-008		05/30/98	5615
H8E300151-009		05/30/98	5616
H8E300151-010		05/30/98	5625
H8E300151-011		05/30/98	5835
H8E300151-012		05/30/98	5895
H8E300151-013		05/30/98	5935
H8F020185-001		06/02/98	5805
H8F020185-001	D	06/02/98	5805
H8F020185-001	S	06/02/98	5805
H8F020185-002		06/02/98	5925
H8F020185-003		06/02/98	5975
H8F020185-004		06/02/98	9025
H8F020185-005		06/02/98	5805
H8F020185-005	D	06/02/98	5805
H8F020185-005	S	06/02/98	5805
H8F020185-006		06/02/98	5925
H8F020185-007		06/02/98	5975

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB026

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 samples 5445 and 5895 were outside control limits Per client request, the samples were re-extracted and re-analyzed outside of holding time criteria. The results for the re-extraction/re-analyses indicated that the original recoveries were wrong; both sets of data are presented for compliance purposes.

Internal standard area recovery for perylene-d12 was outside control limits in the dilution for sample 5835. Since the dilution was performed for bis (2-ethylhexyl) phthalate, which references internal standard chrysene-d12 (which was compliant), the validity of the data is unaffected and the sample is submitted as is.

Explosives

Surrogate recovery for sample 5935 was outside control limits due to the particulate interferences.

The matrix spike/matrix spike duplicate RPDs for sample 5565 were acceptable for all analytes except 3-nitrotolune. 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/matrix spike duplicate recoveries and/or RPDs for samples 5565 (total and dissolved) and 5805 (total and dissolved) 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. 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.

The serial dilution of sample 5565 (total) was outside control limits for aluminum due to physical or chemical matrix interferences.

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PROJECT NARRATIVE

Wet Chemistry

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample 5565 were outside control limits for chloride, nitrate and sulfate. However, the laboratory control samples showed acceptable results indicating that the analyses were in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

The matrix spike/matrix spike duplicate recovery and/or RPD for sample 5805 was outside control limits for sulfate. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The results are, therefore, attributed to matrix effects.

COMMENTS:

Volatiles

Samples 5815R, 5915, 5895, 5935, 5805, 5445, 5925, and 5975 were reported with elevated reporting limits for all analytes. Based on screening results, a dilution was necessary prior to analysis; the reporting limits were adjusted accordingly.

The pH of samples 5625 and 5925 were greater than 2. The sample was analyzed within the normal 14 day holding time. EPA has indicated that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethyl benzene, may be susceptible to biological degradation if samples are not preserved to a pH of 2.

Pesticides/PCBs

Samples 5445, 5915, and 5935 were reported with elevated reporting limits for all analytes due to the difficult sample matrix. The lowest dilutions that could be analyzed were performed; the reporting limits were adjusted accordingly.

Explosives

Samples 5915, 5935, 5895 and 5925 were reported with elevated reporting limits for one or more analytes due to the difficult sample matrix. The lowest dilutions that could be analyzed were performed; the reporting limits were adjusted accordingly.

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Quanterra
Environmental Services

PROJECT NARRATIVE

Metals

Several samples were analyzed at a dilution due to high calcium, magnesium and sodium concentrations.

Wet Chemistry

Samples 5795, 5615, 5895, and 5935 were reported with elevated reporting limits for nitrate due to the difficult sample matrix. The lowest dilutions that could be analyzed were performed; the reporting limits were adjusted accordingly.

Sample 5835 was reported with elevated reporting limits for TOC due to the difficult sample matrix. The lowest dilution that could be analyzed were performed; the reporting limit was adjusted accordingly.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

GC/MS Volatiles

Lot-Sample #...: H8E280186-001 **Work Order #...:** CHHL1101 **Matrix.....:** WATER
Date Sampled...: 05/27/98 **Date Received..:** 05/28/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.28 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.21 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	86	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

GC/MS Volatiles

Lot-Sample #...: H8E280186-001 Work Order #...: CHHL1101 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: 5815R

GC/MS Volatiles

Lot-Sample #...:	H8E280186-002	**Work Order #...:**	CHHL2101	**Matrix.....:**	WATER
Date Sampled...:	05/27/98	**Date Received..:**	05/28/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/01/98		
Prep Batch #...:	8152168				
Dilution Factor:	3571	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	7100	ug/L
Bromomethane	ND	7100	ug/L
Vinyl chloride	ND	7100	ug/L
Chloroethane	ND	7100	ug/L
Methylene chloride	**1400 J,B**	**3600**	**ug/L**
Acetone	ND	36000	ug/L
Carbon disulfide	ND	3600	ug/L
1,1-Dichloroethene	ND	3600	ug/L
1,1-Dichloroethane	ND	3600	ug/L
1,2-Dichloroethene (total)	ND	3600	ug/L
Chloroform	ND	3600	ug/L
1,2-Dichloroethane	ND	3600	ug/L
2-Butanone	ND	18000	ug/L
1,1,1-Trichloroethane	ND	3600	ug/L
Carbon tetrachloride	ND	3600	ug/L
Bromodichloromethane	ND	3600	ug/L
1,2-Dichloropropane	ND	3600	ug/L
cis-1,3-Dichloropropene	ND	3600	ug/L
Trichloroethene	ND	3600	ug/L
Dibromochloromethane	ND	3600	ug/L
1,1,2-Trichloroethane	ND	3600	ug/L
Benzene	ND	3600	ug/L
trans-1,3-Dichloropropene	ND	3600	ug/L
Bromoform	ND	3600	ug/L
4-Methyl-2-pentanone	ND	18000	ug/L
2-Hexanone	ND	18000	ug/L
Tetrachloroethene	ND	3600	ug/L
1,1,2,2-Tetrachloroethane	ND	3600	ug/L
Toluene	**63000**	**3600**	**ug/L**
Chlorobenzene	ND	3600	ug/L
Ethylbenzene	ND	3600	ug/L
Styrene	ND	3600	ug/L
Xylenes (total)	ND	3600	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5815R

GC/MS Volatiles

Lot-Sample #...: H8E280186-002 Work Order #...: CHHL2101 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: 9020

GC/MS Volatiles

Lot-Sample #...: H8E280186-003 **Work Order #...:** CHHL3101 **Matrix.....:** WATER
Date Sampled...: 05/27/98 **Date Received..:** 05/28/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.29 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	**0.13 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.22 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9020

GC/MS Volatiles

Lot-Sample #...: H8E280186-003 **Work Order #...:** CHHL3101 **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: 5445

GC/MS Volatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.6 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	**21**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**19**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**18**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**7.7**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**150**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	98	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC/MS Volatiles

Lot-Sample #...: H8E290237-001 Work Order #...: CHK1E101 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: 5555

GC/MS Volatiles

Lot-Sample #...: H8E290237-002 **Work Order #...:** CHK1F101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**2.4 B**	**1.0**	**ug/L**
Acetone	**45**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.21 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.36 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	85	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	78	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

GC/MS Volatiles

Lot-Sample #...: H8E290237-002 Work Order #...: CHK1F101 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: 5556

GC/MS Volatiles

Lot-Sample #...: H8E290237-003 **Work Order #...:** CHK1G101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**2.9 B**	**1.0**	**ug/L**
Acetone	**70**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.48 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.39 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	84	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	76	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

GC/MS Volatiles

Lot-Sample #...: H8E290237-003 Work Order #...: CHK1G101 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: 5565

GC/MS Volatiles

Lot-Sample #...: H8E290237-004 **Work Order #...:** CHK1J101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.5 B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.58 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	78	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

GC/MS Volatiles

Lot-Sample #...: H8E290237-004 Work Order #...: CHK1J101 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: 5915

GC/MS Volatiles

Lot-Sample #...: H8E290237-005 **Work Order #...:** CHK24101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 40 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	80	ug/L
Bromomethane	ND	80	ug/L
Vinyl chloride	ND	80	ug/L
Chloroethane	ND	80	ug/L
Methylene chloride	**83 B**	**40**	**ug/L**
Acetone	ND	400	ug/L
Carbon disulfide	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethene (total)	ND	40	ug/L
Chloroform	ND	40	ug/L
1,2-Dichloroethane	ND	40	ug/L
2-Butanone	ND	200	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
1,2-Dichloropropane	ND	40	ug/L
cis-1,3-Dichloropropene	ND	40	ug/L
Trichloroethene	ND	40	ug/L
Dibromochloromethane	ND	40	ug/L
1,1,2-Trichloroethane	**4.9 J**	**40**	**ug/L**
Benzene	**780**	**40**	**ug/L**
trans-1,3-Dichloropropene	ND	40	ug/L
Bromoform	ND	40	ug/L
4-Methyl-2-pentanone	ND	200	ug/L
2-Hexanone	ND	200	ug/L
Tetrachloroethene	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Toluene	**550 B**	**40**	**ug/L**
Chlorobenzene	**5.5 J**	**40**	**ug/L**
Ethylbenzene	**140**	**40**	**ug/L**
Styrene	ND	40	ug/L
Xylenes (total)	**880**	**40**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	83	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

GC/MS Volatiles

Lot-Sample #...: H8E290237-005 Work Order #...: CHK24101 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: 5965

GC/MS Volatiles

Lot-Sample #...: H8E290237-006 **Work Order #...:** CHK3E101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.49 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**0.17 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**1.6**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.95 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.91 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

GC/MS Volatiles

Lot-Sample #...: H8E290237-006 Work Order #...: CHK3E101 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: 9021

GC/MS Volatiles

Lot-Sample #...: H8E290237-007 **Work Order #...:** CHK3J101 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.49 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.22 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	87	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9021

GC/MS Volatiles

Lot-Sample #...: H8E290237-007 Work Order #...: CHK3J101 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: 5615

GC/MS Volatiles

Lot-Sample #...: H8E300151-001 Work Order #...: CHKN0101 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98
Prep Date.....: 06/04/98 Analysis Date..: 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 Method.....: SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**2.1 B**	**1.0**	**ug/L**
Acetone	**7.6 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.25 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	86	(67 - 128)
Toluene-d8	87	(71 - 119)
4-Bromofluorobenzene	77	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

GC/MS Volatiles

Lot-Sample #...: H8E300151-001 Work Order #...: CHKN0101 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: 5616

GC/MS Volatiles

Lot-Sample #...: H8E300151-002 Work Order #...: CHKN1101 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98
Prep Date.....: 06/08/98 Analysis Date..: 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1 Method.....: SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.44 J,B**	**1.0**	**ug/L**
Acetone	**5.6 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

GC/MS Volatiles

Lot-Sample #...: H8E300151-002 Work Order #...: CHKN1101 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: 5625

GC/MS Volatiles

Lot-Sample #...: H8E300151-003 **Work Order #...:** CHKN2101 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.95 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.26 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	97	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

GC/MS Volatiles

Lot-Sample #...: H8E300151-003 Work Order #...: CHKN2101 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: 5835

GC/MS Volatiles

Lot-Sample #...: H8E300151-004 **Work Order #...:** CHKN3101 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**4.2 B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.17 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.16 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	85	(67 - 128)
Toluene-d8	88	(71 - 119)
4-Bromofluorobenzene	79	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

GC/MS Volatiles

Lot-Sample #...: H8E300151-004 Work Order #...: CHKN3101 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: 5895

GC/MS Volatiles

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4101 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 25 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	50	ug/L
Bromomethane	ND	50	ug/L
Vinyl chloride	ND	50	ug/L
Chloroethane	ND	50	ug/L
Methylene chloride	**51 B**	**25**	**ug/L**
Acetone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
1,1-Dichloroethene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
1,2-Dichloroethene (total)	ND	25	ug/L
Chloroform	ND	25	ug/L
1,2-Dichloroethane	ND	25	ug/L
2-Butanone	ND	120	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Bromodichloromethane	ND	25	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
Trichloroethene	ND	25	ug/L
Dibromochloromethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Benzene	**47**	**25**	**ug/L**
trans-1,3-Dichloropropene	ND	25	ug/L
Bromoform	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
2-Hexanone	ND	120	ug/L
Tetrachloroethene	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Toluene	**120 B**	**25**	**ug/L**
Chlorobenzene	ND	25	ug/L
Ethylbenzene	**57**	**25**	**ug/L**
Styrene	ND	25	ug/L
Xylenes (total)	**540**	**25**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(67 - 128)
1,2-Dichloroethane-d4	85	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	79	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

GC/MS Volatiles

Lot-Sample #...: H8E300151-005 Work Order #...: CHKN4101 Matrix.....: WATER

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

GC/MS Volatiles

Lot-Sample #...: H8E300151-006 **Work Order #...:** CHKN5101 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 30 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	60	ug/L
Bromomethane	ND	60	ug/L
Vinyl chloride	ND	60	ug/L
Chloroethane	ND	60	ug/L
Methylene chloride	**65 B**	**30**	**ug/L**
Acetone	ND	300	ug/L
Carbon disulfide	ND	30	ug/L
1,1-Dichloroethene	ND	30	ug/L
1,1-Dichloroethane	ND	30	ug/L
1,2-Dichloroethene (total)	ND	30	ug/L
Chloroform	ND	30	ug/L
1,2-Dichloroethane	ND	30	ug/L
2-Butanone	ND	150	ug/L
1,1,1-Trichloroethane	ND	30	ug/L
Carbon tetrachloride	ND	30	ug/L
Bromodichloromethane	ND	30	ug/L
1,2-Dichloropropane	ND	30	ug/L
cis-1,3-Dichloropropene	ND	30	ug/L
Trichloroethene	ND	30	ug/L
Dibromochloromethane	ND	30	ug/L
1,1,2-Trichloroethane	ND	30	ug/L
Benzene	ND	30	ug/L
trans-1,3-Dichloropropene	ND	30	ug/L
Bromoform	ND	30	ug/L
4-Methyl-2-pentanone	ND	150	ug/L
2-Hexanone	ND	150	ug/L
Tetrachloroethene	ND	30	ug/L
1,1,2,2-Tetrachloroethane	ND	30	ug/L
Toluene	**20 J,B**	**30**	**ug/L**
Chlorobenzene	ND	30	ug/L
Ethylbenzene	**9.9 J**	**30**	**ug/L**
Styrene	ND	30	ug/L
Xylenes (total)	**46**	**30**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	87	(67 - 128)
Toluene-d8	87	(71 - 119)
4-Bromofluorobenzene	78	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

GC/MS Volatiles

Lot-Sample #...: H8E300151-006 Work Order #...: CHKN5101 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: 9023

GC/MS Volatiles

Lot-Sample #...: H8E300151-007 Work Order #...: CHKN6101 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98
Prep Date.....: 06/04/98 Analysis Date..: 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1 Method.....: SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**11 B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.25 J,B**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	86	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	79	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9023

GC/MS Volatiles

Lot-Sample #...: H8E300151-007 Work Order #...: CHKN6101 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: 5805

GC/MS Volatiles

Lot-Sample #...:	H8F020185-001	**Work Order #...:**	CHMK2101	**Matrix.....:**	WATER
Date Sampled...:	06/01/98	**Date Received..:**	06/02/98		
Prep Date.....:	06/08/98	**Analysis Date..:**	06/08/98		
Prep Batch #...:	8158125				
Dilution Factor:	5	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	**1.8 J**	**10**	**ug/L**
Methylene chloride	**4.9 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	**2.2 J**	**5.0**	**ug/L**
1,1-Dichloroethane	**17**	**5.0**	**ug/L**
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	**140**	**5.0**	**ug/L**
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

GC/MS Volatiles

Lot-Sample #...: H8F020185-001 Work Order #...: CHMK2101 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: 5925

GC/MS Volatiles

Lot-Sample #...: H8F020185-002 **Work Order #...:** CHMK3101 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/10/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8161234
Dilution Factor: 25 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	50	ug/L
Bromomethane	ND	50	ug/L
Vinyl chloride	ND	50	ug/L
Chloroethane	ND	50	ug/L
Methylene chloride	**100 B**	**25**	**ug/L**
Acetone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
1,1-Dichloroethene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
1,2-Dichloroethene (total)	ND	25	ug/L
Chloroform	ND	25	ug/L
1,2-Dichloroethane	ND	25	ug/L
2-Butanone	ND	120	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Bromodichloromethane	ND	25	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
Trichloroethene	ND	25	ug/L
Dibromochloromethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Benzene	**450**	**25**	**ug/L**
trans-1,3-Dichloropropene	ND	25	ug/L
Bromoform	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
2-Hexanone	ND	120	ug/L
Tetrachloroethene	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Toluene	**350**	**25**	**ug/L**
Chlorobenzene	ND	25	ug/L
Ethylbenzene	**140**	**25**	**ug/L**
Styrene	ND	25	ug/L
Xylenes (total)	**1000**	**25**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
1,2-Dichloroethane-d4	100	(67 - 128)
Toluene-d8	97	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

GC/MS Volatiles

Lot-Sample #...: H8F020185-002 Work Order #...: CHMK3101 Matrix.....: WATER

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

GC/MS Volatiles

Lot-Sample #...: H8F020185-003 **Work Order #...:** CHMK4101 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 5 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.7 J,B**	**5.0**	**ug/L**
Acetone	**45 J**	**50**	**ug/L**
Carbon disulfide	**2.1 J**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**4.3 J**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**1.3 J**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**1.6 J**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**5.5**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	96	(71 - 119)
4-Bromofluorobenzene	96	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

GC/MS Volatiles

Lot-Sample #...: H8F020185-003 **Work Order #...:** CHMK4101 **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: 9025

GC/MS Volatiles

Lot-Sample #...: H8F020185-004 **Work Order #...:** CHMK5101 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.45 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	**0.15 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.14 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	94	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

GC/MS Volatiles

Lot-Sample #...: H8F020185-004 Work Order #...: CHMK5101 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 #...: PB026 **Work Order #...:** CHKWD101 **Matrix.....:** WATER
MB Lot-Sample #: H8F010000-168

Prep Date.....: 06/01/98
Analysis Date..: 06/01/98 **Prep Batch #...:** 8152168
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	**0.51 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
Dibromofluoromethane	100	(67 - 128)
1,2-Dichloroethane-d4	88	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	81	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHKWD101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHKWD102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F010000-168
Prep Date.....: 06/01/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8152168
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**94**	**(70 - 137)**	**SW846 8260A**
Benzene	**96**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**104**	**(75 - 129)**	**SW846 8260A**
Toluene	**96**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**101**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	87	(67 - 128)
Toluene-d8	95	(71 - 119)
4-Bromofluorobenzene	85	(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 #...: PB026 **Work Order #...:** CHP3V101 **Matrix.....:** WATER
MB Lot-Sample #: H8F040000-133

Prep Date.....: 06/04/98
Analysis Date..: 06/04/98 **Prep Batch #...:** 8155133
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	**0.82 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	**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)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	83	(67 - 128)
Toluene-d8	90	(71 - 119)
4-Bromofluorobenzene	80	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHP3V101 **Matrix.....:** WATER

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHK1J102-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E290237-004 CHK1J103-MSD
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**82**	**(70 - 137)**			**SW846 8260A**
	91	**(70 - 137)**	**11**	**(0-12)**	**SW846 8260A**
Trichloroethene	**97**	**(75 - 129)**			**SW846 8260A**
	104	**(75 - 129)**	**7.5**	**(0-14)**	**SW846 8260A**
Benzene	**88**	**(76 - 123)**			**SW846 8260A**
	95	**(76 - 123)**	**7.0**	**(0-10)**	**SW846 8260A**
Toluene	**81**	**(77 - 115)**			**SW846 8260A**
	89	**(77 - 115)**	**8.6**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**92**	**(78 - 116)**			**SW846 8260A**
	97	**(78 - 116)**	**5.2**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(67 - 128)
	96	(67 - 128)
1,2-Dichloroethane-d4	86	(67 - 128)
	87	(67 - 128)
Toluene-d8	91	(71 - 119)
	92	(71 - 119)
4-Bromofluorobenzene	79	(76 - 111)
	81	(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 #...: PB026 **Work Order #...:** CHP3V102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F040000-133
Prep Date.....: 06/04/98 **Analysis Date..:** 06/04/98
Prep Batch #...: 8155133
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**90**	**(70 - 137)**	**SW846 8260A**
Benzene	**92**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**101**	**(75 - 129)**	**SW846 8260A**
Toluene	**92**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**97**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(67 - 128)
1,2-Dichloroethane-d4	87	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	81	(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 #...: PB026 **Work Order #...:** CHT0D101 **Matrix.....:** WATER
MB Lot-Sample #: H8F070000-125

Prep Date.....: 06/08/98
Analysis Date..: 06/08/98 **Prep Batch #...:** 8158125
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	**0.73 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
Dibromofluoromethane	99	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHT0D101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHMK2102-MS **Matrix.....:** WATER
MS Lot-Sample #: H8F020185-001 CHMK2103-MSD
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**97**	**(70 - 137)**			**SW846 8260A**
	101	**(70 - 137)**	**4.4**	**(0-12)**	**SW846 8260A**
Trichloroethene	**101**	**(75 - 129)**			**SW846 8260A**
	103	**(75 - 129)**	**1.6**	**(0-14)**	**SW846 8260A**
Benzene	**98**	**(76 - 123)**			**SW846 8260A**
	100	**(76 - 123)**	**2.7**	**(0-10)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**			**SW846 8260A**
	101	**(77 - 115)**	**2.0**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**98**	**(78 - 116)**			**SW846 8260A**
	100	**(78 - 116)**	**1.7**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
	98	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
	100	(67 - 128)
Toluene-d8	99	(71 - 119)
	95	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)
	94	(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 #...: PB026 **Work Order #...:** CHT0D102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F070000-125
Prep Date.....: 06/08/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8158125
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**99**	**(70 - 137)**	**SW846 8260A**
Benzene	**99**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**103**	**(75 - 129)**	**SW846 8260A**
Toluene	**100**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**100**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	96	(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 #...: PB026 **Work Order #...:** CHW4P101 **Matrix.....:** WATER
MB Lot-Sample #: H8F100000-234

Prep Date.....: 06/10/98
Analysis Date..: 06/10/98 **Prep Batch #...:** 8161234
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	**0.63 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
Dibromofluoromethane	106	(67 - 128)
1,2-Dichloroethane-d4	101	(67 - 128)
Toluene-d8	98	(71 - 119)
4-Bromofluorobenzene	95	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHW4P101 **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB026 **Work Order #...:** CHW4P102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F100000-234
Prep Date.....: 06/10/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8161234
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(70 - 137)**	**SW846 8260A**
Benzene	**95**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**97**	**(75 - 129)**	**SW846 8260A**
Toluene	**94**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**94**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(67 - 128)
1,2-Dichloroethane-d4	103	(67 - 128)
Toluene-d8	100	(71 - 119)
4-Bromofluorobenzene	96	(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: 5795

GC/MS Semivolatiles

Lot-Sample #...: H8E280186-001 **Work Order #...:** CHHL1102 **Matrix.....:** WATER
Date Sampled...: 05/27/98 **Date Received..:** 05/28/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**1.8 J**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

GC/MS Semivolatiles

Lot-Sample #...: H8E280186-001 **Work Order #...:** CHHL1102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(27 - 106)
Phenol-d5	77	(27 - 111)
Nitrobenzene-d5	84	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	101	(27 - 127)
Terphenyl-d14	60	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E102 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**11**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**1.8 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**1.2 J**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	**1.3 J**	**10**	**ug/L**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**6.5 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(27 - 106)
Phenol-d5	68	(27 - 111)
Nitrobenzene-d5	74	(37 - 115)
2-Fluorobiphenyl	76	(43 - 116)
2,4,6-Tribromophenol	105	(27 - 127)
Terphenyl-d14	30 *	(33 - 141)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E202 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/11/98 **Analysis Date..:** 06/23/98
Prep Batch #...: 8162210
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**12**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**2.1 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**1.4 J**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E202 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(27 - 106)
Phenol-d5	65	(27 - 111)
Nitrobenzene-d5	73	(37 - 115)
2-Fluorobiphenyl	72	(43 - 116)
2,4,6-Tribromophenol	95	(27 - 127)
Terphenyl-d14	88	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-002 **Work Order #...:** CHK1F102 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-002 **Work Order #...:** CHK1F102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(27 - 106)
Phenol-d5	76	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	99	(27 - 127)
Terphenyl-d14	47	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-003 **Work Order #...:** CHK1G102 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-003 **Work Order #...:** CHK1G102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(27 - 106)
Phenol-d5	91	(27 - 111)
Nitrobenzene-d5	95	(37 - 115)
2-Fluorobiphenyl	103	(43 - 116)
2,4,6-Tribromophenol	125	(27 - 127)
Terphenyl-d14	51	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-004 **Work Order #...:** CHK1J104 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-004 **Work Order #...:** CHK1J104 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(27 - 106)
Phenol-d5	65	(27 - 111)
Nitrobenzene-d5	67	(37 - 115)
2-Fluorobiphenyl	73	(43 - 116)
2,4,6-Tribromophenol	93	(27 - 127)
Terphenyl-d14	70	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-005 **Work Order #...:** CHK24102 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/11/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**32**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**6.7 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**7.7 J**	**10**	**ug/L**
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	**3.8 J**	**10**	**ug/L**
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**10**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**31**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**37**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-005 **Work Order #...:** CHK24102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	**2.0 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**28**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(27 - 106)
Phenol-d5	68	(27 - 111)
Nitrobenzene-d5	73	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	95	(27 - 127)
Terphenyl-d14	71	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-006 **Work Order #...:** CHK3E102 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8151109
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

GC/MS Semivolatiles

Lot-Sample #...: H8E290237-006 **Work Order #...:** CHK3E102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**5.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
Phenol-d5	69	(27 - 111)
Nitrobenzene-d5	70	(37 - 115)
2-Fluorobiphenyl	73	(43 - 116)
2,4,6-Tribromophenol	89	(27 - 127)
Terphenyl-d14	57	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-001 **Work Order #...:** CHKN0102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-001 **Work Order #...:** CHKN0102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(27 - 106)
Phenol-d5	68	(27 - 111)
Nitrobenzene-d5	73	(37 - 115)
2-Fluorobiphenyl	78	(43 - 116)
2,4,6-Tribromophenol	101	(27 - 127)
Terphenyl-d14	76	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-002 **Work Order #...:** CHKN1102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-002 **Work Order #...:** CHKN1102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(27 - 106)
Phenol-d5	73	(27 - 111)
Nitrobenzene-d5	76	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	113	(27 - 127)
Terphenyl-d14	72	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-003 **Work Order #...:** CHKN2102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-003 **Work Order #...:** CHKN2102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	56	(27 - 106)
Phenol-d5	66	(27 - 111)
Nitrobenzene-d5	75	(37 - 115)
2-Fluorobiphenyl	78	(43 - 116)
2,4,6-Tribromophenol	103	(27 - 127)
Terphenyl-d14	83	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-004 **Work Order #...:** CHKN3102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	20	ug/L
bis(2-Chloroethyl) ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propylamine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	20	ug/L
2,4-Dimethylphenol	ND	20	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	20	ug/L
1,2,4-Trichlorobenzene	ND	20	ug/L
Naphthalene	ND	20	ug/L
4-Chloroaniline	ND	20	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	20	ug/L
2-Methylnaphthalene	ND	20	ug/L
Hexachlorocyclopentadiene	ND	100	ug/L
2,4,6-Trichlorophenol	ND	20	ug/L
2,4,5-Trichlorophenol	ND	20	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	100	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	20	ug/L
2,6-Dinitrotoluene	ND	20	ug/L
3-Nitroaniline	ND	100	ug/L
Acenaphthene	ND	20	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	20	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-004 **Work Order #...:** CHKN3102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	20	ug/L
Fluorene	ND	20	ug/L
4-Nitroaniline	ND	100	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	20	ug/L
Hexachlorobenzene	ND	20	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	20	ug/L
Anthracene	ND	20	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	20	ug/L
Pyrene	ND	20	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	20	ug/L
Chrysene	ND	20	ug/L
bis(2-Ethylhexyl) phthalate	**780 E**	**20**	**ug/L**
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	20	ug/L
Benzo(k)fluoranthene	ND	20	ug/L
Benzo(a)pyrene	ND	20	ug/L
Indeno(1,2,3-cd)pyrene	ND	20	ug/L
Dibenz(a,h)anthracene	ND	20	ug/L
Benzo(ghi)perylene	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(27 - 106)
Phenol-d5	63	(27 - 111)
Nitrobenzene-d5	71	(37 - 115)
2-Fluorobiphenyl	80	(43 - 116)
2,4,6-Tribromophenol	111	(27 - 127)
Terphenyl-d14	82	(33 - 141)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

GC/MS Semivolatiles

Lot-Sample #...:	H8E300151-004	**Work Order #...:**	CHKN3202	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/04/98	**Analysis Date..:**	06/24/98		
Prep Batch #...:	8155250				
Dilution Factor:	20	**Method.....:**	SW846 8270B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
bis(2-Ethylhexyl) phthalate	**890 D**	**200**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(27 - 106)
Phenol-d5	NC,DIL	(27 - 111)
Nitrobenzene-d5	NC,DIL	(37 - 115)
2-Fluorobiphenyl	NC,DIL	(43 - 116)
2,4,6-Tribromophenol	NC,DIL	(27 - 127)
Terphenyl-d14	NC,DIL	(33 - 141)

NOTE(S):

NC The recovery and/or 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: 5895

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/23/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**69**	**10**	**ug/L**
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**3.3 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**3.3 J**	**10**	**ug/L**
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	**2.7 J**	**10**	**ug/L**
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**13**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**10**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**14**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**55**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	25 *	(27 - 106)
Phenol-d5	32	(27 - 111)
Nitrobenzene-d5	36 *	(37 - 115)
2-Fluorobiphenyl	36 *	(43 - 116)
2,4,6-Tribromophenol	43	(27 - 127)
Terphenyl-d14	35	(33 - 141)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4202 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/24/98 **Analysis Date..:** 06/26/98
Prep Batch #...: 8175156
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**110**	**17**	**ug/L**
bis(2-Chloroethyl) ether	ND	17	ug/L
2-Chlorophenol	ND	17	ug/L
1,3-Dichlorobenzene	ND	17	ug/L
1,4-Dichlorobenzene	ND	17	ug/L
1,2-Dichlorobenzene	ND	17	ug/L
2-Methylphenol	**6.4 J**	**17**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	17	ug/L
4-Methylphenol	**5.1 J**	**17**	**ug/L**
N-Nitrosodi-n-propylamine	ND	17	ug/L
Hexachloroethane	ND	17	ug/L
Nitrobenzene	ND	17	ug/L
Isophorone	ND	17	ug/L
2-Nitrophenol	ND	17	ug/L
2,4-Dimethylphenol	**26**	**17**	**ug/L**
bis(2-Chloroethoxy) methane	ND	17	ug/L
2,4-Dichlorophenol	ND	17	ug/L
1,2,4-Trichlorobenzene	ND	17	ug/L
Naphthalene	**18**	**17**	**ug/L**
4-Chloroaniline	ND	17	ug/L
Hexachlorobutadiene	ND	17	ug/L
4-Chloro-3-methylphenol	ND	17	ug/L
2-Methylnaphthalene	**28**	**17**	**ug/L**
Hexachlorocyclopentadiene	ND	84	ug/L
2,4,6-Trichlorophenol	ND	17	ug/L
2,4,5-Trichlorophenol	ND	17	ug/L
2-Chloronaphthalene	ND	17	ug/L
2-Nitroaniline	ND	84	ug/L
Dimethyl phthalate	ND	17	ug/L
Acenaphthylene	ND	17	ug/L
2,6-Dinitrotoluene	ND	17	ug/L
3-Nitroaniline	ND	84	ug/L
Acenaphthene	ND	17	ug/L
2,4-Dinitrophenol	ND	84	ug/L
4-Nitrophenol	ND	84	ug/L
Dibenzofuran	ND	17	ug/L
2,4-Dinitrotoluene	ND	17	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4202 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	17	ug/L
4-Chlorophenyl phenyl ether	ND	17	ug/L
Fluorene	ND	17	ug/L
4-Nitroaniline	ND	84	ug/L
4,6-Dinitro-2-methylphenol	ND	84	ug/L
N-Nitrosodiphenylamine	ND	17	ug/L
4-Bromophenyl phenyl ether	ND	17	ug/L
Hexachlorobenzene	ND	17	ug/L
Pentachlorophenol	ND	84	ug/L
Phenanthrene	**2.6 J**	**17**	**ug/L**
Anthracene	ND	17	ug/L
Carbazole	ND	17	ug/L
Di-n-butyl phthalate	ND	17	ug/L
Fluoranthene	ND	17	ug/L
Pyrene	ND	17	ug/L
Butyl benzyl phthalate	ND	17	ug/L
3,3'-Dichlorobenzidine	ND	84	ug/L
Benzo(a)anthracene	ND	17	ug/L
Chrysene	ND	17	ug/L
bis(2-Ethylhexyl) phthalate	**240 B**	**17**	**ug/L**
Di-n-octyl phthalate	ND	17	ug/L
Benzo(b)fluoranthene	ND	17	ug/L
Benzo(k)fluoranthene	ND	17	ug/L
Benzo(a)pyrene	ND	17	ug/L
Indeno(1,2,3-cd)pyrene	ND	17	ug/L
Dibenz(a,h)anthracene	ND	17	ug/L
Benzo(ghi)perylene	ND	17	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	30	(27 - 106)
Phenol-d5	54	(27 - 111)
Nitrobenzene-d5	53	(37 - 115)
2-Fluorobiphenyl	58	(43 - 116)
2,4,6-Tribromophenol	113	(27 - 127)
Terphenyl-d14	80	(33 - 141)

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: 5935

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-006 **Work Order #...:** CHKN5102 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/04/98 **Analysis Date..:** 06/11/98
Prep Batch #...: 8155250
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**2.8 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	**18**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**20**	**10**	**ug/L**
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

GC/MS Semivolatiles

Lot-Sample #...: H8E300151-006 **Work Order #...:** CHKN5102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**6.8 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(27 - 106)
Phenol-d5	58	(27 - 111)
Nitrobenzene-d5	58	(37 - 115)
2-Fluorobiphenyl	73	(43 - 116)
2,4,6-Tribromophenol	88	(27 - 127)
Terphenyl-d14	75	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-001 **Work Order #...:** CHMK2104 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-001 **Work Order #...:** CHMK2104 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(27 - 106)
Phenol-d5	72	(27 - 111)
Nitrobenzene-d5	68	(37 - 115)
2-Fluorobiphenyl	91	(43 - 116)
2,4,6-Tribromophenol	111	(27 - 127)
Terphenyl-d14	68	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-002 **Work Order #...:** CHMK3102 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	**4.4 J**	**10**	**ug/L**
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	**1.6 J**	**10**	**ug/L**
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	**35**	**10**	**ug/L**
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-002 **Work Order #...:** CHMK3102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**4.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(27 - 106)
Phenol-d5	57	(27 - 111)
Nitrobenzene-d5	53	(37 - 115)
2-Fluorobiphenyl	68	(43 - 116)
2,4,6-Tribromophenol	82	(27 - 127)
Terphenyl-d14	55	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-003 **Work Order #...:** CHMK4102 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-003 **Work Order #...:** CHMK4102 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	47	(27 - 106)
Phenol-d5	53	(27 - 111)
Nitrobenzene-d5	50	(37 - 115)
2-Fluorobiphenyl	64	(43 - 116)
2,4,6-Tribromophenol	88	(27 - 127)
Terphenyl-d14	61	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-004 **Work Order #...:** CHMK5102 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1 **Method.....:** SW846 8270B

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

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

GC/MS Semivolatiles

Lot-Sample #...: H8F020185-004 **Work Order #...:** CHMK5102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**6.2 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(27 - 106)
Phenol-d5	72	(27 - 111)
Nitrobenzene-d5	67	(37 - 115)
2-Fluorobiphenyl	92	(43 - 116)
2,4,6-Tribromophenol	102	(27 - 127)
Terphenyl-d14	97	(33 - 141)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CHKQE101 **Matrix.....:** WATER
MB Lot-Sample #: H8E310000-109

Prep Date.....: 05/30/98
Analysis Date..: 06/09/98 **Prep Batch #...:** 8151109
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 #...: PB026 **Work Order #...:** CHKQE101 **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	67	(27 - 106)
Phenol-d5	79	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	97	(27 - 127)
Terphenyl-d14	87	(33 - 141)

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 #...: PB026 **Work Order #...:** CHKQE102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E310000-109
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**77**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**77**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**62**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**80**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**72**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**82**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**80**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**85**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**86**	**(20 - 123)**	**SW846 8270B**
Pyrene	**78**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(27 - 106)
Phenol-d5	80	(27 - 111)
Nitrobenzene-d5	87	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	100	(27 - 127)
Terphenyl-d14	70	(33 - 141)

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

GC/MS Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CHK1J105-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E290237-004 CHK1J106-MSD
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 05/30/98 **Analysis Date..:** 06/09/98
Prep Batch #...: 8151109
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**56**	**(16 - 116)**			**SW846 8270B**
	63	**(16 - 116)**	**11**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**60**	**(31 - 109)**			**SW846 8270B**
	64	**(31 - 109)**	**7.7**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**55**	**(40 - 100)**			**SW846 8270B**
	57	**(40 - 100)**	**3.6**	**(0-26)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(22 - 125)**			**SW846 8270B**
	63	**(22 - 125)**	**7.6**	**(0-27)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**63**	**(43 - 100)**			**SW846 8270B**
	66	**(43 - 100)**	**3.8**	**(0-29)**	**SW846 8270B**
4-Chloro-3-methylphenol	**62**	**(48 - 110)**			**SW846 8270B**
	67	**(48 - 110)**	**7.8**	**(0-20)**	**SW846 8270B**
Acenaphthene	**66**	**(54 - 113)**			**SW846 8270B**
	70	**(54 - 113)**	**6.5**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**64**	**(13 - 135)**			**SW846 8270B**
	67	**(13 - 135)**	**4.4**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**73**	**(59 - 120)**			**SW846 8270B**
	73	**(59 - 120)**	**0.31**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**58**	**(20 - 133)**			**SW846 8270B**
	63	**(20 - 133)**	**8.6**	**(0-31)**	**SW846 8270B**
Pyrene	**74**	**(46 - 122)**			**SW846 8270B**
	77	**(46 - 122)**	**3.5**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(27 - 106)
	57	(27 - 106)
Phenol-d5	58	(27 - 111)
	63	(27 - 111)
Nitrobenzene-d5	64	(37 - 115)
	65	(37 - 115)
2-Fluorobiphenyl	68	(43 - 116)
	73	(43 - 116)
2,4,6-Tribromophenol	84	(27 - 127)
	85	(27 - 127)
Terphenyl-d14	64	(33 - 141)
	66	(33 - 141)

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 #...: PB026 **Work Order #...:** CHPM5101 **Matrix.....:** WATER
MB Lot-Sample #: H8F040000-250

Prep Date.....: 06/04/98
Analysis Date..: 06/10/98 **Prep Batch #...:** 8155250
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 #...: PB026 **Work Order #...:** CHPM5101 **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	68	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	83	(37 - 115)
2-Fluorobiphenyl	92	(43 - 116)
2,4,6-Tribromophenol	109	(27 - 127)
Terphenyl-d14	93	(33 - 141)

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 #...: PB026 **Work Order #...:** CHPM5102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F040000-250
Prep Date.....: 06/04/98 **Analysis Date..:** 06/10/98
Prep Batch #...: 8155250
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**70**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**71**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**58**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**70**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**70**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**79**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**75**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**81**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**78**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**77**	**(20 - 123)**	**SW846 8270B**
Pyrene	**73**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(27 - 106)
Phenol-d5	70	(27 - 111)
Nitrobenzene-d5	82	(37 - 115)
2-Fluorobiphenyl	81	(43 - 116)
2,4,6-Tribromophenol	103	(27 - 127)
Terphenyl-d14	81	(33 - 141)

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 #...: PB026 **Work Order #...:** CJ95N101 **Matrix.....:** WATER
MB Lot-Sample #: H8F240000-156

Prep Date.....: 06/24/98
Analysis Date..: 06/26/98 **Prep Batch #...:** 8175156
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	17	ug/L	SW846 8270B
bis(2-Chloroethyl) ether	ND	17	ug/L	SW846 8270B
2-Chlorophenol	ND	17	ug/L	SW846 8270B
1,3-Dichlorobenzene	ND	17	ug/L	SW846 8270B
1,4-Dichlorobenzene	ND	17	ug/L	SW846 8270B
1,2-Dichlorobenzene	ND	17	ug/L	SW846 8270B
2-Methylphenol	ND	17	ug/L	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	17	ug/L	SW846 8270B
4-Methylphenol	ND	17	ug/L	SW846 8270B
N-Nitrosodi-n-propylamine	ND	17	ug/L	SW846 8270B
Hexachloroethane	ND	17	ug/L	SW846 8270B
Nitrobenzene	ND	17	ug/L	SW846 8270B
Isophorone	ND	17	ug/L	SW846 8270B
2-Nitrophenol	ND	17	ug/L	SW846 8270B
2,4-Dimethylphenol	ND	17	ug/L	SW846 8270B
bis(2-Chloroethoxy) methane	ND	17	ug/L	SW846 8270B
2,4-Dichlorophenol	ND	17	ug/L	SW846 8270B
1,2,4-Trichlorobenzene	ND	17	ug/L	SW846 8270B
Naphthalene	ND	17	ug/L	SW846 8270B
4-Chloroaniline	ND	17	ug/L	SW846 8270B
Hexachlorobutadiene	ND	17	ug/L	SW846 8270B
4-Chloro-3-methylphenol	ND	17	ug/L	SW846 8270B
2-Methylnaphthalene	ND	17	ug/L	SW846 8270B
Hexachlorocyclopentadiene	ND	84	ug/L	SW846 8270B
2,4,6-Trichlorophenol	ND	17	ug/L	SW846 8270B
2,4,5-Trichlorophenol	ND	17	ug/L	SW846 8270B
2-Chloronaphthalene	ND	17	ug/L	SW846 8270B
2-Nitroaniline	ND	84	ug/L	SW846 8270B
Dimethyl phthalate	ND	17	ug/L	SW846 8270B
Acenaphthylene	ND	17	ug/L	SW846 8270B
2,6-Dinitrotoluene	ND	17	ug/L	SW846 8270B
3-Nitroaniline	ND	84	ug/L	SW846 8270B
Acenaphthene	ND	17	ug/L	SW846 8270B
2,4-Dinitrophenol	ND	84	ug/L	SW846 8270B
4-Nitrophenol	ND	84	ug/L	SW846 8270B
Dibenzofuran	ND	17	ug/L	SW846 8270B
2,4-Dinitrotoluene	ND	17	ug/L	SW846 8270B
Diethyl phthalate	ND	17	ug/L	SW846 8270B
4-Chlorophenyl phenyl ether	ND	17	ug/L	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CJ95N101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	17	ug/L	SW846 8270B
4-Nitroaniline	ND	84	ug/L	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	84	ug/L	SW846 8270B
N-Nitrosodiphenylamine	ND	17	ug/L	SW846 8270B
4-Bromophenyl phenyl ether	ND	17	ug/L	SW846 8270B
Hexachlorobenzene	ND	17	ug/L	SW846 8270B
Pentachlorophenol	ND	84	ug/L	SW846 8270B
Phenanthrene	ND	17	ug/L	SW846 8270B
Anthracene	ND	17	ug/L	SW846 8270B
Carbazole	ND	17	ug/L	SW846 8270B
Di-n-butyl phthalate	ND	17	ug/L	SW846 8270B
Fluoranthene	ND	17	ug/L	SW846 8270B
Pyrene	ND	17	ug/L	SW846 8270B
Butyl benzyl phthalate	ND	17	ug/L	SW846 8270B
3,3'-Dichlorobenzidine	ND	84	ug/L	SW846 8270B
Benzo(a)anthracene	ND	17	ug/L	SW846 8270B
Chrysene	ND	17	ug/L	SW846 8270B
bis(2-Ethylhexyl) phthalate	**3.5 J**	**17**	**ug/L**	**SW846 8270B**
Di-n-octyl phthalate	ND	17	ug/L	SW846 8270B
Benzo(b)fluoranthene	ND	17	ug/L	SW846 8270B
Benzo(k)fluoranthene	ND	17	ug/L	SW846 8270B
Benzo(a)pyrene	ND	17	ug/L	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	17	ug/L	SW846 8270B
Dibenz(a,h)anthracene	ND	17	ug/L	SW846 8270B
Benzo(ghi)perylene	ND	17	ug/L	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(27 - 106)
Phenol-d5	75	(27 - 111)
Nitrobenzene-d5	84	(37 - 115)
2-Fluorobiphenyl	75	(43 - 116)
2,4,6-Tribromophenol	110	(27 - 127)
Terphenyl-d14	88	(33 - 141)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CJ95N102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F240000-156
Prep Date.....: 06/24/98 **Analysis Date..:** 06/26/98
Prep Batch #...: 8175156
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**74**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**74**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**67**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**75**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**81**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**81**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**102**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**84**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**86**	**(20 - 123)**	**SW846 8270B**
Pyrene	**79**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(27 - 106)
Phenol-d5	80	(27 - 111)
Nitrobenzene-d5	88	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	117	(27 - 127)
Terphenyl-d14	92	(33 - 141)

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 #...: PB026 **Work Order #...:** CHT7E101 **Matrix.....:** WATER
MB Lot-Sample #: H8F080000-174

Prep Date.....: 06/08/98
Analysis Date..: 06/11/98 **Prep Batch #...:** 8159174
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 #...: PB026 **Work Order #...:** CHT7E101 **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	65	(27 - 106)
Phenol-d5	74	(27 - 111)
Nitrobenzene-d5	66	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	103	(27 - 127)
Terphenyl-d14	100	(33 - 141)

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 #...: PB026 **Work Order #...:** CHMK2105-MS **Matrix.....:** WATER
MS Lot-Sample #: H8F020185-001 CHMK2106-MSD
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**74**	**(16 - 116)**			**SW846 8270B**
	71	**(16 - 116)**	**4.7**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**76**	**(31 - 109)**			**SW846 8270B**
	76	**(31 - 109)**	**0.59**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(40 - 100)**			**SW846 8270B**
	70	**(40 - 100)**	**1.3**	**(0-26)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**60**	**(22 - 125)**			**SW846 8270B**
	58	**(22 - 125)**	**3.1**	**(0-27)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**80**	**(43 - 100)**			**SW846 8270B**
	82	**(43 - 100)**	**2.3**	**(0-29)**	**SW846 8270B**
4-Chloro-3-methylphenol	**74**	**(48 - 110)**			**SW846 8270B**
	73	**(48 - 110)**	**1.7**	**(0-20)**	**SW846 8270B**
Acenaphthene	**85**	**(54 - 113)**			**SW846 8270B**
	83	**(54 - 113)**	**1.7**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**54**	**(13 - 135)**			**SW846 8270B**
	53	**(13 - 135)**	**3.4**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**			**SW846 8270B**
	84	**(59 - 120)**	**2.0**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**89**	**(20 - 133)**			**SW846 8270B**
	88	**(20 - 133)**	**0.90**	**(0-31)**	**SW846 8270B**
Pyrene	**89**	**(46 - 122)**			**SW846 8270B**
	93	**(46 - 122)**	**4.5**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(27 - 106)
	67	(27 - 106)
Phenol-d5	77	(27 - 111)
	75	(27 - 111)
Nitrobenzene-d5	71	(37 - 115)
	68	(37 - 115)
2-Fluorobiphenyl	94	(43 - 116)
	93	(43 - 116)
2,4,6-Tribromophenol	110	(27 - 127)
	113	(27 - 127)
Terphenyl-d14	76	(33 - 141)
	65	(33 - 141)

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 #...: PB026 **Work Order #...:** CHT7E102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F080000-174
Prep Date.....: 06/08/98 **Analysis Date..:** 06/12/98
Prep Batch #...: 8159174
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**68**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**73**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**63**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**56**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**72**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**65**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**77**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**45**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**81**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**75**	**(20 - 123)**	**SW846 8270B**
Pyrene	**92**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(27 - 106)
Phenol-d5	74	(27 - 111)
Nitrobenzene-d5	66	(37 - 115)
2-Fluorobiphenyl	87	(43 - 116)
2,4,6-Tribromophenol	101	(27 - 127)
Terphenyl-d14	96	(33 - 141)

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 #...: PB026 **Work Order #...:** CHX33101 **Matrix.....:** WATER
MB Lot-Sample #: H8F110000-210

Prep Date.....: 06/11/98
Analysis Date..: 06/23/98 **Prep Batch #...:** 8162210
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 #...: PB026 **Work Order #...:** CHX33101 **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	60	(27 - 106)
Phenol-d5	68	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	72	(43 - 116)
2,4,6-Tribromophenol	89	(27 - 127)
Terphenyl-d14	93	(33 - 141)

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 #...: PB026 **Work Order #...:** CHX33102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F110000-210
Prep Date.....: 06/11/98 **Analysis Date..:** 06/23/98
Prep Batch #...: 8162210
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**65**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**69**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**60**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**66**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**73**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**78**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**75**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**76**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**88**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**66**	**(20 - 123)**	**SW846 8270B**
Pyrene	**79**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(27 - 106)
Phenol-d5	67	(27 - 111)
Nitrobenzene-d5	82	(37 - 115)
2-Fluorobiphenyl	78	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	89	(33 - 141)

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: 5795

GC Semivolatiles

Lot-Sample #...: H8E280186-001 **Work Order #...:** CHHL1103 **Matrix.....:** WATER
Date Sampled...: 05/27/98 **Date Received..:** 05/28/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(30 - 133)
Decachlorobiphenyl	40	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

GC Semivolatiles

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E103 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/22/98
Prep Batch #...: 8152230
Dilution Factor: 5 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	5.0	ug/L
Aroclor 1221	ND	5.0	ug/L
Aroclor 1232	ND	5.0	ug/L
Aroclor 1242	ND	5.0	ug/L
Aroclor 1248	ND	5.0	ug/L
Aroclor 1254	ND	5.0	ug/L
Aroclor 1260	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	2530 *	(30 - 133)
Decachlorobiphenyl	63	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

GC Semivolatiles

Lot-Sample #...: H8E290237-002 **Work Order #...:** CHK1F103 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	41	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

GC Semivolatiles

Lot-Sample #...: H8E290237-003 **Work Order #...:** CHK1G103 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/18/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	52	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

GC Semivolatiles

Lot-Sample #...: H8E290237-004 **Work Order #...:** CHK1J107 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(30 - 133)
Decachlorobiphenyl	49	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

GC Semivolatiles

Lot-Sample #...: H8E290237-005 **Work Order #...:** CHK24103 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/22/98
Prep Batch #...: 8152230
Dilution Factor: 5 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	5.0	ug/L
Aroclor 1221	ND	5.0	ug/L
Aroclor 1232	ND	5.0	ug/L
Aroclor 1242	ND	5.0	ug/L
Aroclor 1248	ND	5.0	ug/L
Aroclor 1254	ND	5.0	ug/L
Aroclor 1260	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	1330 *	(30 - 133)
Decachlorobiphenyl	73	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

GC Semivolatiles

Lot-Sample #...: H8E290237-006 **Work Order #...:** CHK3E103 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(30 - 133)
Decachlorobiphenyl	34	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

GC Semivolatiles

Lot-Sample #...: H8E300151-001 **Work Order #...:** CHKN0103 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/18/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 133)
Decachlorobiphenyl	43	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

GC Semivolatiles

Lot-Sample #...: H8E300151-002 **Work Order #...:** CHKN1103 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/22/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 133)
Decachlorobiphenyl	43	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

GC Semivolatiles

Lot-Sample #...: H8E300151-003 **Work Order #...:** CHKN2103 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(30 - 133)
Decachlorobiphenyl	59	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

GC Semivolatiles

Lot-Sample #...: H8E300151-004 **Work Order #...:** CHKN3103 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8152230
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 133)
Decachlorobiphenyl	34	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

GC Semivolatiles

Lot-Sample #...:	H8E300151-005	**Work Order #...:**	CHKN4103	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/19/98		
Prep Batch #...:	8152230				
Dilution Factor:	1	**Method.....:**	SW846 8081		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	371 *	(30 - 133)
Decachlorobiphenyl	53	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

GC Semivolatiles

Lot-Sample #...: H8E300151-006 **Work Order #...:** CHKN5103 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/22/98
Prep Batch #...: 8152230
Dilution Factor: 5 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	5.0	ug/L
Aroclor 1221	ND	5.0	ug/L
Aroclor 1232	ND	5.0	ug/L
Aroclor 1242	ND	5.0	ug/L
Aroclor 1248	ND	5.0	ug/L
Aroclor 1254	ND	5.0	ug/L
Aroclor 1260	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	599 *	(30 - 133)
Decachlorobiphenyl	86	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

GC Semivolatiles

Lot-Sample #...: H8F020185-001 **Work Order #...:** CHMK2107 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8158134
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(30 - 133)
Decachlorobiphenyl	36	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

GC Semivolatiles

Lot-Sample #...: H8F020185-002 **Work Order #...:** CHMK3103 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8158134
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(30 - 133)
Decachlorobiphenyl	24 *	(30 - 139)

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

GC Semivolatiles

Lot-Sample #...: H8F020185-003 **Work Order #...:** CHMK4103 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/07/98 **Analysis Date..:** 06/22/98
Prep Batch #...: 8158134
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 133)
Decachlorobiphenyl	37	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

GC Semivolatiles

Lot-Sample #...: H8F020185-004 **Work Order #...:** CHMK5103 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8158134
Dilution Factor: 1 **Method.....:** SW846 8081

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(30 - 133)
Decachlorobiphenyl	75	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CHL66101 **Matrix.....:** WATER
MB Lot-Sample #: H8F010000-230

Prep Date.....: 06/01/98
Analysis Date..: 06/15/98 **Prep Batch #...:** 8152230
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	73	(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 #...: PB026 **Work Order #...:** CHK1J108-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E290237-004 CHK1J109-MSD
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8152230
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**114**	**(70 - 158)**			**SW846 8081**
	112	**(70 - 158)**	**1.8**	**(0-25)**	**SW846 8081**
Aroclor 1260	**80**	**(70 - 158)**			**SW846 8081**
	86	**(70 - 158)**	**7.4**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(30 - 133)
	100	(30 - 133)
Decachlorobiphenyl	53	(30 - 139)
	59	(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 #...: PB026 **Work Order #...:** CHL66102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F010000-230
Prep Date.....: 06/01/98 **Analysis Date..:** 06/15/98
Prep Batch #...: 8152230
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**110**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**93**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(30 - 133)
Decachlorobiphenyl	70	(30 - 139)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB026 **Work Order #...:** CHT1N101 **Matrix.....:** WATER
MB Lot-Sample #: H8F070000-134

Prep Date.....: 06/07/98
Analysis Date..: 06/14/98 **Prep Batch #...:** 8158134
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	71	(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 #...: PB026 **Work Order #...:** CHMK2108-MS **Matrix.....:** WATER
MS Lot-Sample #: H8F020185-001 CHMK2109-MSD
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8158134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(70 - 158)**			**SW846 8081**
	113	**(70 - 158)**	**4.4**	**(0-25)**	**SW846 8081**
Aroclor 1260	**80**	**(70 - 158)**			**SW846 8081**
	85	**(70 - 158)**	**6.0**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95	(30 - 133)
	96	(30 - 133)
Decachlorobiphenyl	41	(30 - 139)
	45	(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 #...: PB026 **Work Order #...:** CHT1N102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F070000-134
Prep Date.....: 06/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8158134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**118**	**(70 - 158)**	**SW846 8081**
Aroclor 1260	**100**	**(70 - 158)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(30 - 133)
Decachlorobiphenyl	71	(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: 5795

HPLC

Lot-Sample #...:	H8E280186-001	**Work Order #...:**	CHHL110V	**Matrix.....:**	WATER
Date Sampled...:	05/27/98	**Date Received..:**	05/28/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/16/98		
Prep Batch #...:	8152157				
Dilution Factor:	2	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	**5.7**	**0.40**	**ug/L**
1,3-Dinitrobenzene	ND	0.40	ug/L
2,4-Dinitrotoluene	**1.7**	**0.40**	**ug/L**
2,6-Dinitrotoluene	ND	0.40	ug/L
HMX	ND	1.0	ug/L
Nitrobenzene	ND	0.40	ug/L
2-Nitrotoluene	ND	0.40	ug/L
3-Nitrotoluene	ND	0.40	ug/L
RDX	ND	1.0	ug/L
Tetryl	ND	0.40	ug/L
1,3,5-Trinitrobenzene	ND	0.40	ug/L
2,4,6-Trinitrotoluene	**0.68**	**0.40**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

HPLC

Lot-Sample #...: H8E290237-001 **Work Order #...:** CHK1E10V **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
1,3-Dinitrobenzene	**0.86**	**0.20**	**ug/L**
2,4-Dinitrotoluene	**2.0**	**0.20**	**ug/L**
2,6-Dinitrotoluene	**0.34**	**0.20**	**ug/L**
HMX	ND	0.50	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L
RDX	ND	0.50	ug/L
Tetryl	ND	0.20	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	93	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

HPLC

Lot-Sample #...: H8E290237-002 **Work Order #...:** CHK1F10V **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

HPLC

Lot-Sample #...: H8E290237-003 **Work Order #...:** CHK1G10V **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	54	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

HPLC

Lot-Sample #...: H8E290237-004 **Work Order #...:** CHK1J12L **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

HPLC

Lot-Sample #...: H8E290237-005 **Work Order #...:** CHK2410V **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/26/98
Prep Batch #...: 8152157
Dilution Factor: 2 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L
1,3-Dinitrobenzene	ND	0.40	ug/L
2,4-Dinitrotoluene	**0.89**	**0.40**	**ug/L**
2,6-Dinitrotoluene	**0.89**	**0.40**	**ug/L**
HMX	ND	1.0	ug/L
Nitrobenzene	ND	0.40	ug/L
2-Nitrotoluene	ND	0.40	ug/L
3-Nitrotoluene	ND	0.40	ug/L
RDX	ND	1.0	ug/L
Tetryl	ND	0.40	ug/L
1,3,5-Trinitrobenzene	ND G	2.0	ug/L
2,4,6-Trinitrotoluene	ND	0.40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	62	(39 - 157)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

HPLC

Lot-Sample #...: H8E290237-006 **Work Order #...:** CHK3E10V **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

HPLC

Lot-Sample #...: H8E300151-001 **Work Order #...:** CHKN010V **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/16/98
Prep Batch #...: 8152157
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	119	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

HPLC

Lot-Sample #...:	H8E300151-002	**Work Order #...:**	CHKN110V	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/16/98		
Prep Batch #...:	8152157				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	117	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

HPLC

Lot-Sample #...:	H8E300151-003	**Work Order #...:**	CHKN210V	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/16/98		
Prep Batch #...:	8152157				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

HPLC

Lot-Sample #...:	H8E300151-004	**Work Order #...:**	CHKN310V	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/16/98		
Prep Batch #...:	8152157				
Dilution Factor:	1	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.29	ug/L
1,3-Dinitrobenzene	ND	0.29	ug/L
2,4-Dinitrotoluene	ND	0.29	ug/L
2,6-Dinitrotoluene	ND	0.29	ug/L
HMX	ND	0.74	ug/L
Nitrobenzene	ND	0.29	ug/L
2-Nitrotoluene	ND	0.29	ug/L
3-Nitrotoluene	ND	0.29	ug/L
RDX	ND	0.74	ug/L
Tetryl	ND	0.29	ug/L
1,3,5-Trinitrobenzene	ND	0.29	ug/L
2,4,6-Trinitrotoluene	ND	0.29	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	112	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

HPLC

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN410V **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98
Prep Date.....: 06/01/98 **Analysis Date..:** 06/16/98
Prep Batch #...: 8152157
Dilution Factor: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	5.1	ug/L
1,3-Dinitrobenzene	ND	5.1	ug/L
2,4-Dinitrotoluene	ND	5.1	ug/L
2,6-Dinitrotoluene	ND	5.1	ug/L
HMX	ND	13	ug/L
Nitrobenzene	ND	5.1	ug/L
2-Nitrotoluene	ND	5.1	ug/L
3-Nitrotoluene	ND	5.1	ug/L
RDX	ND	13	ug/L
Tetryl	ND	5.1	ug/L
1,3,5-Trinitrobenzene	ND	5.1	ug/L
2,4,6-Trinitrotoluene	ND	5.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(39 - 157)

NOTE(S):

NC The recovery and/or 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: 5935

HPLC

Lot-Sample #...:	H8E300151-006	**Work Order #...:**	CHKN510V	**Matrix.....:**	WATER
Date Sampled...:	05/29/98	**Date Received..:**	05/30/98		
Prep Date.....:	06/01/98	**Analysis Date..:**	06/17/98		
Prep Batch #...:	8152157				
Dilution Factor:	1	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.41	ug/L
1,3-Dinitrobenzene	ND	0.41	ug/L
2,4-Dinitrotoluene	ND	0.41	ug/L
2,6-Dinitrotoluene	ND	0.41	ug/L
HMX	ND	1.0	ug/L
Nitrobenzene	ND	0.41	ug/L
2-Nitrotoluene	ND	0.41	ug/L
3-Nitrotoluene	ND	0.41	ug/L
RDX	ND G	5.8	ug/L
Tetryl	ND	0.41	ug/L
1,3,5-Trinitrobenzene	ND	0.41	ug/L
2,4,6-Trinitrotoluene	ND	0.41	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	21 *	(39 - 157)

NOTE(S):

* Surrogate recovery is outside stated control limits.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

HPLC

Lot-Sample #...: H8F020185-001 **Work Order #...:** CHMK212L **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/03/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8154318
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	108	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

HPLC

Lot-Sample #...:	H8F020185-002	**Work Order #...:**	CHMK310V	**Matrix.....:**	WATER
Date Sampled...:	06/01/98	**Date Received..:**	06/02/98		
Prep Date.....:	06/03/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8154318				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(39 - 157)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

HPLC

Lot-Sample #...:	H8F020185-003	**Work Order #...:**	CHMK410V	**Matrix.....:**	WATER
Date Sampled...:	06/01/98	**Date Received..:**	06/02/98		
Prep Date.....:	06/03/98	**Analysis Date..:**	06/18/98		
Prep Batch #...:	8154318				
Dilution Factor:	1	**Method.....:**	SW846 8330		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(39 - 157)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

HPLC

Lot-Sample #...: H8F020185-004 **Work Order #...:** CHMK510V **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98
Prep Date.....: 06/03/98 **Analysis Date..:** 06/26/98
Prep Batch #...: 8154318
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	90	(39 - 157)

METHOD BLANK REPORT

HPLC

Client Lot #...: PB026 **Work Order #...:** CHKW1101 **Matrix.....:** WATER
MB Lot-Sample #: H8F010000-157

Prep Date.....: 06/01/98
Analysis Date..: 06/16/98 **Prep Batch #...:** 8152157
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	(39 - 157)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB026
MS Lot-Sample #: H8E290237-004
Date Sampled...: 05/28/98
Prep Date.....: 06/01/98
Prep Batch #...: 8152157
Dilution Factor: 1

Work Order #...: CHK1J12M-MS
CHK1J12N-MSD
Date Received..: 05/29/98
Analysis Date..: 06/17/98

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	116	(53 - 153)			SW846 8330
	112	(53 - 153)	3.7	(0-21)	SW846 8330
4-Nitrotoluene	96	(35 - 163)			SW846 8330
	111	(35 - 163)	15	(0-25)	SW846 8330
HMX	95	(61 - 124)			SW846 8330
	98	(61 - 124)	2.0	(0-23)	SW846 8330
RDX	129	(82 - 159)			SW846 8330
	129	(82 - 159)	0.42	(0-30)	SW846 8330
1,3,5-Trinitrobenzene	114	(66 - 155)			SW846 8330
	114	(66 - 155)	0.01	(0-18)	SW846 8330
1,3-Dinitrobenzene	120	(78 - 145)			SW846 8330
	120	(78 - 145)	0.28	(0-25)	SW846 8330
Tetryl	97	(47 - 140)			SW846 8330
	101	(47 - 140)	3.8	(0-35)	SW846 8330
Nitrobenzene	102	(69 - 140)			SW846 8330
	107	(69 - 140)	5.4	(0-20)	SW846 8330
2,4,6-Trinitrotoluene	110	(44 - 156)			SW846 8330
	111	(44 - 156)	0.03	(0-24)	SW846 8330
4-Amino-2,6-dinitrotoluen	115	(36 - 162)			SW846 8330
	110	(36 - 162)	4.0	(0-23)	SW846 8330
2,6-Dinitrotoluene	112	(66 - 150)			SW846 8330
	109	(66 - 150)	3.5	(0-19)	SW846 8330
2,4-Dinitrotoluene	114	(63 - 161)			SW846 8330
	112	(63 - 161)	1.5	(0-19)	SW846 8330
2-Nitrotoluene	90	(45 - 149)			SW846 8330
	101	(45 - 149)	12	(0-24)	SW846 8330
3-Nitrotoluene	80	(55 - 138)			SW846 8330
	104 p	(55 - 138)	26	(0-23)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(39 - 157)
	93	(39 - 157)

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

HPLC

Client Lot #...: PB026 **Work Order #...:** CHKW1102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F010000-157
Prep Date.....: 06/01/98 **Analysis Date..:** 06/16/98
Prep Batch #...: 8152157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**103**	**(67 - 123)**	**SW846 8330**
RDX	**126**	**(85 - 157)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(80 - 141)**	**SW846 8330**
1,3-Dinitrobenzene	**116**	**(81 - 142)**	**SW846 8330**
Tetryl	**93**	**(55 - 140)**	**SW846 8330**
Nitrobenzene	**114**	**(69 - 140)**	**SW846 8330**
2,4,6-Trinitrotoluene	**108**	**(69 - 146)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**110**	**(75 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**106**	**(74 - 135)**	**SW846 8330**
2,4-Dinitrotoluene	**109**	**(77 - 135)**	**SW846 8330**
2-Nitrotoluene	**107**	**(58 - 136)**	**SW846 8330**
3-Nitrotoluene	**107**	**(64 - 126)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**110**	**(80 - 131)**	**SW846 8330**
4-Nitrotoluene	**108**	**(69 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(39 - 157)

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 #...: PB026 **Work Order #...:** CHNN2101 **Matrix.....:** WATER
MB Lot-Sample #: H8F030000-318

Prep Date.....: 06/03/98
Analysis Date..: 06/26/98 **Prep Batch #...:** 8154318
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	95	(39 - 157)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB026
MS Lot-Sample #: H8F020185-001
Date Sampled...: 06/01/98
Prep Date.....: 06/03/98
Prep Batch #...: 8154318
Dilution Factor: 1

Work Order #...: CHMK212M-MS
CHMK212N-MSD
Date Received..: 06/02/98
Analysis Date..: 06/17/98

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	100	(53 - 153)			SW846 8330
	104	(53 - 153)	3.9	(0-21)	SW846 8330
4-Nitrotoluene	98	(35 - 163)			SW846 8330
	98	(35 - 163)	0.07	(0-25)	SW846 8330
HMX	92	(61 - 124)			SW846 8330
	99	(61 - 124)	6.4	(0-23)	SW846 8330
RDX	113	(82 - 159)			SW846 8330
	117	(82 - 159)	3.8	(0-30)	SW846 8330
1,3,5-Trinitrobenzene	110	(66 - 155)			SW846 8330
	113	(66 - 155)	2.8	(0-18)	SW846 8330
1,3-Dinitrobenzene	108	(78 - 145)			SW846 8330
	112	(78 - 145)	4.3	(0-25)	SW846 8330
Tetryl	81	(47 - 140)			SW846 8330
	84	(47 - 140)	3.5	(0-35)	SW846 8330
Nitrobenzene	99	(69 - 140)			SW846 8330
	100	(69 - 140)	1.9	(0-20)	SW846 8330
2,4,6-Trinitrotoluene	90	(44 - 156)			SW846 8330
	96	(44 - 156)	6.6	(0-24)	SW846 8330
4-Amino-2,6-dinitrotoluen	98	(36 - 162)			SW846 8330
	105	(36 - 162)	6.7	(0-23)	SW846 8330
2,6-Dinitrotoluene	94	(66 - 150)			SW846 8330
	98	(66 - 150)	3.2	(0-19)	SW846 8330
2,4-Dinitrotoluene	101	(63 - 161)			SW846 8330
	104	(63 - 161)	2.6	(0-19)	SW846 8330
2-Nitrotoluene	95	(45 - 149)			SW846 8330
	90	(45 - 149)	4.9	(0-24)	SW846 8330
3-Nitrotoluene	97	(55 - 138)			SW846 8330
	93	(55 - 138)	4.4	(0-23)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(39 - 157)
	96	(39 - 157)

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 #...: PB026 **Work Order #...:** CHNN2102 **Matrix.....:** WATER
LCS Lot-Sample#: H8F030000-318
Prep Date.....: 06/03/98 **Analysis Date..:** 06/17/98
Prep Batch #...: 8154318
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**88**	**(67 - 123)**	**SW846 8330**
RDX	**116**	**(85 - 157)**	**SW846 8330**
1,3,5-Trinitrobenzene	**111**	**(80 - 141)**	**SW846 8330**
1,3-Dinitrobenzene	**109**	**(81 - 142)**	**SW846 8330**
Tetryl	**81**	**(55 - 140)**	**SW846 8330**
Nitrobenzene	**108**	**(69 - 140)**	**SW846 8330**
2,4,6-Trinitrotoluene	**92**	**(69 - 146)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**102**	**(75 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**97**	**(74 - 135)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(77 - 135)**	**SW846 8330**
2-Nitrotoluene	**102**	**(58 - 136)**	**SW846 8330**
3-Nitrotoluene	**102**	**(64 - 126)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**102**	**(80 - 131)**	**SW846 8330**
4-Nitrotoluene	**104**	**(69 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	109	(39 - 157)

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: 5795

TOTAL Metals

Lot-Sample #...: H8E280186-001 Matrix.....: WATER
Date Sampled...: 05/27/98 Date Received..: 05/28/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHHL110U
		Dilution Factor: 1		Analysis Time..: 14:39		
Prep Batch #...: 8159266						
Aluminum	6920	200	ug/L	SW846 6010A	06/09-06/18/98	CHHL1104
		Dilution Factor: 1		Analysis Time..: 17:00		
Arsenic	18.7	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL110P
		Dilution Factor: 1		Analysis Time..: 22:02		
Lead	16.4	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL110Q
		Dilution Factor: 1		Analysis Time..: 22:02		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL1105
		Dilution Factor: 1		Analysis Time..: 17:00		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHHL1106
		Dilution Factor: 1		Analysis Time..: 17:00		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL110R
		Dilution Factor: 1		Analysis Time..: 22:02		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL1107
		Dilution Factor: 1		Analysis Time..: 17:00		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL110T
		Dilution Factor: 1		Analysis Time..: 22:02		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL1108
		Dilution Factor: 1		Analysis Time..: 22:02		
Calcium	104000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL1109
		Dilution Factor: 1		Analysis Time..: 17:00		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110A
		Dilution Factor: 1		Analysis Time..: 17:00		
Cobalt	54.9	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110C
		Dilution Factor: 1		Analysis Time..: 17:00		
Copper	32.9	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110D
		Dilution Factor: 1		Analysis Time..: 17:00		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

TOTAL Metals

Lot-Sample #...: H8E280186-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	41900	100	ug/L	SW846 6010A	06/09-06/18/98	CHHL110E
		Dilution Factor: 1		Analysis Time..: 17:00		
Magnesium	24300	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL110F
		Dilution Factor: 1		Analysis Time..: 17:00		
Manganese	1120	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110G
		Dilution Factor: 1		Analysis Time..: 17:00		
Nickel	130	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110H
		Dilution Factor: 1		Analysis Time..: 17:00		
Potassium	5040	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL110J
		Dilution Factor: 1		Analysis Time..: 17:00		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110K
		Dilution Factor: 1		Analysis Time..: 17:00		
Sodium	6030	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL110L
		Dilution Factor: 1		Analysis Time..: 17:00		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110M
		Dilution Factor: 1		Analysis Time..: 17:00		
Zinc	152	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL110N
		Dilution Factor: 1		Analysis Time..: 17:00		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

DISSOLVED Metals

Lot-Sample #...: H8E280186-004 Matrix.....: WATER
Date Sampled...: 05/27/98 Date Received..: 05/28/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHHL410Q
		Dilution Factor: 1		Analysis Time..: 15:46		
Prep Batch #...: 8159273						
Aluminum	7430	200	ug/L	SW846 6010A	06/09-06/18/98	CHHL4101
		Dilution Factor: 1		Analysis Time..: 14:51		
Arsenic	22.0	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL410L
		Dilution Factor: 1		Analysis Time..: 16:46		
Lead	17.0	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL410M
		Dilution Factor: 1		Analysis Time..: 16:46		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL4102
		Dilution Factor: 1		Analysis Time..: 14:51		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHHL4103
		Dilution Factor: 1		Analysis Time..: 14:51		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL410N
		Dilution Factor: 1		Analysis Time..: 16:46		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL4104
		Dilution Factor: 1		Analysis Time..: 14:51		
Thallium	10.1	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL410P
		Dilution Factor: 1		Analysis Time..: 16:46		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHHL4105
		Dilution Factor: 1		Analysis Time..: 16:46		
Calcium	106000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL4106
		Dilution Factor: 1		Analysis Time..: 14:51		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL4107
		Dilution Factor: 1		Analysis Time..: 14:51		
Cobalt	56.7	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL4108
		Dilution Factor: 1		Analysis Time..: 14:51		
Copper	32.2	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL4109
		Dilution Factor: 1		Analysis Time..: 14:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

DISSOLVED Metals

Lot-Sample #...: H8E280186-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	41600	100	ug/L	SW846 6010A	06/09-06/18/98	CHHL410A
		Dilution Factor: 1		Analysis Time..: 14:51		
Magnesium	25100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL410C
		Dilution Factor: 1		Analysis Time..: 14:51		
Manganese	1170	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL410D
		Dilution Factor: 1		Analysis Time..: 14:51		
Nickel	131	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL410E
		Dilution Factor: 1		Analysis Time..: 14:51		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL410F
		Dilution Factor: 1		Analysis Time..: 14:51		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL410G
		Dilution Factor: 1		Analysis Time..: 14:51		
Sodium	6010	5000	ug/L	SW846 6010A	06/09-06/18/98	CHHL410H
		Dilution Factor: 1		Analysis Time..: 14:51		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL410J
		Dilution Factor: 1		Analysis Time..: 14:51		
Zinc	157	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHHL410K
		Dilution Factor: 1		Analysis Time..: 14:51		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

TOTAL Metals

Lot-Sample #...: H8E290237-001 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK1E10U
		Dilution Factor: 1		Analysis Time..: 14:41		
Prep Batch #...: 8159266						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK1E104
		Dilution Factor: 1		Analysis Time..: 17:05		
Arsenic	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1E10P
		Dilution Factor: 5		Analysis Time..: 19:07		
Lead	ND	15.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1E10Q
		Dilution Factor: 5		Analysis Time..: 19:07		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E105
		Dilution Factor: 1		Analysis Time..: 17:05		
Barium	**457**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1E106**
		Dilution Factor: 1		Analysis Time..: 17:05		
Selenium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1E10R
		Dilution Factor: 5		Analysis Time..: 19:07		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E107
		Dilution Factor: 1		Analysis Time..: 17:05		
Thallium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1E10T
		Dilution Factor: 5		Analysis Time..: 19:07		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1E108
		Dilution Factor: 5		Analysis Time..: 19:07		
Calcium	**441000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1E109**
		Dilution Factor: 1		Analysis Time..: 17:05		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10A
		Dilution Factor: 1		Analysis Time..: 17:05		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10C
		Dilution Factor: 1		Analysis Time..: 17:05		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10D
		Dilution Factor: 1		Analysis Time..: 17:05		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

TOTAL Metals

Lot-Sample #...: H8E290237-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	481	100	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10E
		Dilution Factor: 1		Analysis Time..: 17:05		
Magnesium	317000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10F
		Dilution Factor: 1		Analysis Time..: 17:05		
Manganese	181	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10G
		Dilution Factor: 1		Analysis Time..: 17:05		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10H
		Dilution Factor: 1		Analysis Time..: 17:05		
Potassium	60900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10J
		Dilution Factor: 1		Analysis Time..: 17:05		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10K
		Dilution Factor: 1		Analysis Time..: 17:05		
Sodium	1320000	50000	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10L
		Dilution Factor: 10		Analysis Time..: 21:00		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10M
		Dilution Factor: 1		Analysis Time..: 17:05		
Zinc	68.0	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1E10N
		Dilution Factor: 1		Analysis Time..: 17:05		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

DISSOLVED Metals

Lot-Sample #...: H8E290237-008 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK3N10Q
		Dilution Factor: 1		Analysis Time..: 15:48		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK3N101
		Dilution Factor: 1		Analysis Time..: 14:56		
Arsenic	ND	100	ug/L	SW846 6010A	06/09-06/19/98	CHK3N10L
		Dilution Factor: 10		Analysis Time..: 16:51		
Lead	ND	30.0	ug/L	SW846 6010A	06/09-06/19/98	CHK3N10M
		Dilution Factor: 10		Analysis Time..: 16:51		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N102
		Dilution Factor: 1		Analysis Time..: 14:56		
Barium	**596**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N103**
		Dilution Factor: 1		Analysis Time..: 14:56		
Selenium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK3N10N
		Dilution Factor: 10		Analysis Time..: 16:51		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N104
		Dilution Factor: 1		Analysis Time..: 14:56		
Thallium	ND	100	ug/L	SW846 6010A	06/09-06/19/98	CHK3N10P
		Dilution Factor: 10		Analysis Time..: 16:51		
Cadmium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK3N105
		Dilution Factor: 10		Analysis Time..: 16:51		
Calcium	**483000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N106**
		Dilution Factor: 1		Analysis Time..: 14:56		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N107
		Dilution Factor: 1		Analysis Time..: 14:56		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N108
		Dilution Factor: 1		Analysis Time..: 14:56		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N109
		Dilution Factor: 1		Analysis Time..: 14:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

DISSOLVED Metals

Lot-Sample #...: H8E290237-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHK3N10A
		Dilution Factor: 1		Analysis Time..: 14:56		
Magnesium	**345000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N10C**
		Dilution Factor: 1		Analysis Time..: 14:56		
Manganese	**183**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N10D**
		Dilution Factor: 1		Analysis Time..: 14:56		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N10E
		Dilution Factor: 1		Analysis Time..: 14:56		
Potassium	**65800**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N10F**
		Dilution Factor: 1		Analysis Time..: 14:56		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N10G
		Dilution Factor: 1		Analysis Time..: 14:56		
Sodium	**1520000**	**50000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N10H**
		Dilution Factor: 10		Analysis Time..: 20:40		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3N10J
		Dilution Factor: 1		Analysis Time..: 14:56		
Zinc	**32.8**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3N10K**
		Dilution Factor: 1		Analysis Time..: 14:56		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

TOTAL Metals

Lot-Sample #...: H8E290237-002 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK1F10U
		Dilution Factor: 1		Analysis Time..: 14:44		
Prep Batch #...: 8159266						
Aluminum	15800	200	ug/L	SW846 6010A	06/09-06/18/98	CHK1F104
		Dilution Factor: 1		Analysis Time..: 17:10		
Arsenic	14.3	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1F10P
		Dilution Factor: 1		Analysis Time..: 19:35		
Lead	9.4	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1F10Q
		Dilution Factor: 1		Analysis Time..: 19:35		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F105
		Dilution Factor: 1		Analysis Time..: 17:10		
Barium	312	200	ug/L	SW846 6010A	06/09-06/18/98	CHK1F106
		Dilution Factor: 1		Analysis Time..: 17:10		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1F10R
		Dilution Factor: 1		Analysis Time..: 19:35		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F107
		Dilution Factor: 1		Analysis Time..: 17:10		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1F10T
		Dilution Factor: 1		Analysis Time..: 19:35		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1F108
		Dilution Factor: 1		Analysis Time..: 19:35		
Calcium	145000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1F109
		Dilution Factor: 1		Analysis Time..: 17:10		
Chromium	22.7	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10A
		Dilution Factor: 1		Analysis Time..: 17:10		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10C
		Dilution Factor: 1		Analysis Time..: 17:10		
Copper	43.7	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10D
		Dilution Factor: 1		Analysis Time..: 17:10		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

TOTAL Metals

Lot-Sample #...: H8E290237-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	26500	100	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10E
		Dilution Factor: 1		Analysis Time..: 17:10		
Magnesium	47200	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10F
		Dilution Factor: 1		Analysis Time..: 17:10		
Manganese	592	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10G
		Dilution Factor: 1		Analysis Time..: 17:10		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10H
		Dilution Factor: 1		Analysis Time..: 17:10		
Potassium	7710	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10J
		Dilution Factor: 1		Analysis Time..: 17:10		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10K
		Dilution Factor: 1		Analysis Time..: 17:10		
Sodium	22100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10L
		Dilution Factor: 1		Analysis Time..: 17:10		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10M
		Dilution Factor: 1		Analysis Time..: 17:10		
Zinc	103	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1F10N
		Dilution Factor: 1		Analysis Time..: 17:10		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

DISSOLVED Metals

Lot-Sample #...: H8E290237-009 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK4110Q
		Dilution Factor: 1		Analysis Time..: 15:51		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK41101
		Dilution Factor: 1		Analysis Time..: 15:01		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4110L
		Dilution Factor: 1		Analysis Time..: 16:57		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4110M
		Dilution Factor: 1		Analysis Time..: 16:57		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK41102
		Dilution Factor: 1		Analysis Time..: 15:01		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK41103
		Dilution Factor: 1		Analysis Time..: 15:01		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4110N
		Dilution Factor: 1		Analysis Time..: 16:57		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK41104
		Dilution Factor: 1		Analysis Time..: 15:01		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4110P
		Dilution Factor: 1		Analysis Time..: 16:57		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK41105
		Dilution Factor: 1		Analysis Time..: 16:57		
Calcium	**113000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK41106**
		Dilution Factor: 1		Analysis Time..: 15:01		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK41107
		Dilution Factor: 1		Analysis Time..: 15:01		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK41108
		Dilution Factor: 1		Analysis Time..: 15:01		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK41109
		Dilution Factor: 1		Analysis Time..: 15:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

DISSOLVED Metals

Lot-Sample #...: H8E290237-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	185	100	ug/L	SW846 6010A	06/09-06/18/98	CHK4110A
		Dilution Factor: 1		Analysis Time..: 15:01		
Magnesium	38300	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4110C
		Dilution Factor: 1		Analysis Time..: 15:01		
Manganese	223	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4110D
		Dilution Factor: 1		Analysis Time..: 15:01		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4110E
		Dilution Factor: 1		Analysis Time..: 15:01		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4110F
		Dilution Factor: 1		Analysis Time..: 15:01		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4110G
		Dilution Factor: 1		Analysis Time..: 15:01		
Sodium	22800	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4110H
		Dilution Factor: 1		Analysis Time..: 15:01		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4110J
		Dilution Factor: 1		Analysis Time..: 15:01		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4110K
		Dilution Factor: 1		Analysis Time..: 15:01		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

TOTAL Metals

Lot-Sample #...: H8E290237-003 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK1G10U
		Dilution Factor: 1		Analysis Time..: 14:46		
Prep Batch #...: 8159266						
Aluminum	**27500**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1G104**
		Dilution Factor: 1		Analysis Time..: 17:15		
Arsenic	**25.2**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHK1G10P**
		Dilution Factor: 1		Analysis Time..: 19:41		
Lead	**18.1**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHK1G10Q**
		Dilution Factor: 1		Analysis Time..: 19:41		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G105
		Dilution Factor: 1		Analysis Time..: 17:15		
Barium	**361**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1G106**
		Dilution Factor: 1		Analysis Time..: 17:15		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1G10R
		Dilution Factor: 1		Analysis Time..: 19:41		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G107
		Dilution Factor: 1		Analysis Time..: 17:15		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1G10T
		Dilution Factor: 1		Analysis Time..: 19:41		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1G108
		Dilution Factor: 1		Analysis Time..: 19:41		
Calcium	**191000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1G109**
		Dilution Factor: 1		Analysis Time..: 17:15		
Chromium	**42.6**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1G10A**
		Dilution Factor: 1		Analysis Time..: 17:15		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10C
		Dilution Factor: 1		Analysis Time..: 17:15		
Copper	**53.2**	**25.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK1G10D**
		Dilution Factor: 1		Analysis Time..: 17:15		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

TOTAL Metals

Lot-Sample #...: H8E290237-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	49100	100	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10E
		Dilution Factor: 1		Analysis Time..: 17:15		
Magnesium	56700	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10F
		Dilution Factor: 1		Analysis Time..: 17:15		
Manganese	1030	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10G
		Dilution Factor: 1		Analysis Time..: 17:15		
Nickel	59.6	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10H
		Dilution Factor: 1		Analysis Time..: 17:15		
Potassium	10000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10J
		Dilution Factor: 1		Analysis Time..: 17:15		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10K
		Dilution Factor: 1		Analysis Time..: 17:15		
Sodium	21100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10L
		Dilution Factor: 1		Analysis Time..: 17:15		
Vanadium	66.1	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10M
		Dilution Factor: 1		Analysis Time..: 17:15		
Zinc	157	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1G10N
		Dilution Factor: 1		Analysis Time..: 17:15		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

DISSOLVED Metals

Lot-Sample #...: H8E290237-010 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK4510Q
		Dilution Factor: 1		Analysis Time..: 15:58		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK45101
		Dilution Factor: 1		Analysis Time..: 15:06		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4510L
		Dilution Factor: 1		Analysis Time..: 17:02		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4510M
		Dilution Factor: 1		Analysis Time..: 17:02		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK45102
		Dilution Factor: 1		Analysis Time..: 15:06		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK45103
		Dilution Factor: 1		Analysis Time..: 15:06		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4510N
		Dilution Factor: 1		Analysis Time..: 17:02		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK45104
		Dilution Factor: 1		Analysis Time..: 15:06		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4510P
		Dilution Factor: 1		Analysis Time..: 17:02		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK45105
		Dilution Factor: 1		Analysis Time..: 17:02		
Calcium	**118000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK45106**
		Dilution Factor: 1		Analysis Time..: 15:06		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK45107
		Dilution Factor: 1		Analysis Time..: 15:06		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK45108
		Dilution Factor: 1		Analysis Time..: 15:06		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK45109
		Dilution Factor: 1		Analysis Time..: 15:06		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5556

DISSOLVED Metals

Lot-Sample #...: H8E290237-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**374**	**100**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4510A**
		Dilution Factor: 1		Analysis Time..: 15:06		
Magnesium	**39500**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4510C**
		Dilution Factor: 1		Analysis Time..: 15:06		
Manganese	**262**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4510D**
		Dilution Factor: 1		Analysis Time..: 15:06		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4510E
		Dilution Factor: 1		Analysis Time..: 15:06		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4510F
		Dilution Factor: 1		Analysis Time..: 15:06		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4510G
		Dilution Factor: 1		Analysis Time..: 15:06		
Sodium	**23800**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4510H**
		Dilution Factor: 1		Analysis Time..: 15:06		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4510J
		Dilution Factor: 1		Analysis Time..: 15:06		
Zinc	**51.4**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4510K**
		Dilution Factor: 1		Analysis Time..: 15:06		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

TOTAL Metals

Lot-Sample #...: H8E290237-004 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK1J12H
		Dilution Factor: 1		Analysis Time..: 14:48		
Prep Batch #...: 8159266						
Aluminum	860	200	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10A
		Dilution Factor: 1		Analysis Time..: 17:30		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1J124
		Dilution Factor: 1		Analysis Time..: 19:46		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1J127
		Dilution Factor: 1		Analysis Time..: 19:46		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10E
		Dilution Factor: 1		Analysis Time..: 17:30		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10H
		Dilution Factor: 1		Analysis Time..: 17:30		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1J12A
		Dilution Factor: 1		Analysis Time..: 19:46		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10L
		Dilution Factor: 1		Analysis Time..: 17:30		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1J12E
		Dilution Factor: 1		Analysis Time..: 19:46		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK1J10P
		Dilution Factor: 1		Analysis Time..: 19:46		
Calcium	139000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10T
		Dilution Factor: 1		Analysis Time..: 17:30		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J10W
		Dilution Factor: 1		Analysis Time..: 17:30		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J111
		Dilution Factor: 1		Analysis Time..: 17:30		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J114
		Dilution Factor: 1		Analysis Time..: 17:30		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

TOTAL Metals

Lot-Sample #...: H8E290237-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1810	100	ug/L	SW846 6010A	06/09-06/18/98	CHK1J117
		Dilution Factor: 1		Analysis Time..: 17:30		
Magnesium	21700	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11A
		Dilution Factor: 1		Analysis Time..: 17:30		
Manganese	215	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11E
		Dilution Factor: 1		Analysis Time..: 17:30		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11H
		Dilution Factor: 1		Analysis Time..: 17:30		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11L
		Dilution Factor: 1		Analysis Time..: 17:30		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11P
		Dilution Factor: 1		Analysis Time..: 17:30		
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11T
		Dilution Factor: 1		Analysis Time..: 17:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J11W
		Dilution Factor: 1		Analysis Time..: 17:30		
Zinc	20.9	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK1J121
		Dilution Factor: 1		Analysis Time..: 17:30		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

DISSOLVED Metals

Lot-Sample #...: H8E290237-011 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	**0.44**	**0.20**	**ug/L**	**SW846 7470A**	**06/11/98**	**CHK47127**
		Dilution Factor: 1		Analysis Time..: 16:01		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK47101
		Dilution Factor: 1		Analysis Time..: 15:11		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4711T
		Dilution Factor: 1		Analysis Time..: 17:19		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4711W
		Dilution Factor: 1		Analysis Time..: 17:19		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK47104
		Dilution Factor: 1		Analysis Time..: 15:11		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK47107
		Dilution Factor: 1		Analysis Time..: 15:11		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK47121
		Dilution Factor: 1		Analysis Time..: 17:19		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4710A
		Dilution Factor: 1		Analysis Time..: 15:11		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK47124
		Dilution Factor: 1		Analysis Time..: 17:19		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4710E
		Dilution Factor: 1		Analysis Time..: 17:19		
Calcium	**111000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4710H**
		Dilution Factor: 1		Analysis Time..: 15:11		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4710L
		Dilution Factor: 1		Analysis Time..: 15:11		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4710P
		Dilution Factor: 1		Analysis Time..: 15:11		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4710T
		Dilution Factor: 1		Analysis Time..: 15:11		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

DISSOLVED Metals

Lot-Sample #...: H8E290237-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHK4710W
		Dilution Factor: 1		Analysis Time..: 15:11		
Magnesium	17300	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK47111
		Dilution Factor: 1		Analysis Time..: 15:11		
Manganese	20.7	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK47114
		Dilution Factor: 1		Analysis Time..: 15:11		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK47117
		Dilution Factor: 1		Analysis Time..: 15:11		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4711A
		Dilution Factor: 1		Analysis Time..: 15:11		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4711E
		Dilution Factor: 1		Analysis Time..: 15:11		
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4711H
		Dilution Factor: 1		Analysis Time..: 15:11		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4711L
		Dilution Factor: 1		Analysis Time..: 15:11		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4711P
		Dilution Factor: 1		Analysis Time..: 15:11		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

TOTAL Metals

Lot-Sample #...: H8E290237-005 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK2410U
		Dilution Factor: 1		Analysis Time..: 15:00		
Prep Batch #...: 8159266						
Aluminum	**513**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK24104**
		Dilution Factor: 1		Analysis Time..: 17:50		
Arsenic	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK2410P
		Dilution Factor: 5		Analysis Time..: 20:09		
Lead	ND	15.0	ug/L	SW846 6010A	06/09-06/19/98	CHK2410Q
		Dilution Factor: 5		Analysis Time..: 20:09		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK24105
		Dilution Factor: 1		Analysis Time..: 17:50		
Barium	**1710**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK24106**
		Dilution Factor: 1		Analysis Time..: 17:50		
Selenium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK2410R
		Dilution Factor: 5		Analysis Time..: 20:09		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK24107
		Dilution Factor: 1		Analysis Time..: 17:50		
Thallium	**50.8**	**50.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHK2410T**
		Dilution Factor: 5		Analysis Time..: 20:09		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK24108
		Dilution Factor: 5		Analysis Time..: 20:09		
Calcium	**662000**	**50000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK24109**
		Dilution Factor: 10		Analysis Time..: 21:05		
Chromium	**20.6**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK2410A**
		Dilution Factor: 1		Analysis Time..: 17:50		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410C
		Dilution Factor: 1		Analysis Time..: 17:50		
Copper	**39.5**	**25.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK2410D**
		Dilution Factor: 1		Analysis Time..: 17:50		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

TOTAL Metals

Lot-Sample #...: H8E290237-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	4810	100	ug/L	SW846 6010A	06/09-06/18/98	CHK2410E
		Dilution Factor: 1		Analysis Time..: 17:50		
Magnesium	259000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK2410F
		Dilution Factor: 1		Analysis Time..: 17:50		
Manganese	139	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410G
		Dilution Factor: 1		Analysis Time..: 17:50		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410H
		Dilution Factor: 1		Analysis Time..: 17:50		
Potassium	62500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK2410J
		Dilution Factor: 1		Analysis Time..: 17:50		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410K
		Dilution Factor: 1		Analysis Time..: 17:50		
Sodium	811000	50000	ug/L	SW846 6010A	06/09-06/18/98	CHK2410L
		Dilution Factor: 10		Analysis Time..: 21:05		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410M
		Dilution Factor: 1		Analysis Time..: 17:50		
Zinc	105	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK2410N
		Dilution Factor: 1		Analysis Time..: 17:50		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

DISSOLVED Metals

Lot-Sample #...: H8E290237-012 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK4910Q
		Dilution Factor: 1		Analysis Time..: 16:08		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK49101
		Dilution Factor: 1		Analysis Time..: 15:41		
Arsenic	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4910L
		Dilution Factor: 5		Analysis Time..: 17:42		
Lead	ND	15.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4910M
		Dilution Factor: 5		Analysis Time..: 17:42		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK49102
		Dilution Factor: 1		Analysis Time..: 15:41		
Barium	**1390**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK49103**
		Dilution Factor: 1		Analysis Time..: 15:41		
Selenium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4910N
		Dilution Factor: 5		Analysis Time..: 17:42		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK49104
		Dilution Factor: 1		Analysis Time..: 15:41		
Thallium	**62.2**	**50.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHK4910P**
		Dilution Factor: 5		Analysis Time..: 17:42		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHK49105
		Dilution Factor: 5		Analysis Time..: 17:42		
Calcium	**390000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK49106**
		Dilution Factor: 1		Analysis Time..: 15:41		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK49107
		Dilution Factor: 1		Analysis Time..: 15:41		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK49108
		Dilution Factor: 1		Analysis Time..: 15:41		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK49109
		Dilution Factor: 1		Analysis Time..: 15:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

DISSOLVED Metals

Lot-Sample #...: H8E290237-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHK4910A
		Dilution Factor: 1		Analysis Time..: 15:41		
Magnesium	299000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4910C
		Dilution Factor: 1		Analysis Time..: 15:41		
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4910D
		Dilution Factor: 1		Analysis Time..: 15:41		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4910E
		Dilution Factor: 1		Analysis Time..: 15:41		
Potassium	74800	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4910F
		Dilution Factor: 1		Analysis Time..: 15:41		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4910G
		Dilution Factor: 1		Analysis Time..: 15:41		
Sodium	1010000	25000	ug/L	SW846 6010A	06/09-06/18/98	CHK4910H
		Dilution Factor: 5		Analysis Time..: 20:45		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4910J
		Dilution Factor: 1		Analysis Time..: 15:41		
Zinc	47.3	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4910K
		Dilution Factor: 1		Analysis Time..: 15:41		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

TOTAL Metals

Lot-Sample #...: H8E290237-006 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHK3E10U
		Dilution Factor: 1		Analysis Time..: 15:03		
Prep Batch #...: 8159266						
Aluminum	**678**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E104**
		Dilution Factor: 1		Analysis Time..: 17:55		
Arsenic	ND	200	ug/L	SW846 6010A	06/09-06/19/98	CHK3E10P
		Dilution Factor: 20		Analysis Time..: 20:14		
Lead	ND	60.0	ug/L	SW846 6010A	06/09-06/19/98	CHK3E10Q
		Dilution Factor: 20		Analysis Time..: 20:14		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E105
		Dilution Factor: 1		Analysis Time..: 17:55		
Barium	**16400**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E106**
		Dilution Factor: 1		Analysis Time..: 17:55		
Selenium	ND	100	ug/L	SW846 6010A	06/09-06/19/98	CHK3E10R
		Dilution Factor: 20		Analysis Time..: 20:14		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E107
		Dilution Factor: 1		Analysis Time..: 17:55		
Thallium	ND	200	ug/L	SW846 6010A	06/09-06/19/98	CHK3E10T
		Dilution Factor: 20		Analysis Time..: 20:14		
Cadmium	ND	100	ug/L	SW846 6010A	06/09-06/19/98	CHK3E108
		Dilution Factor: 20		Analysis Time..: 20:14		
Calcium	**1960000**	**100000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E109**
		Dilution Factor: 20		Analysis Time..: 21:10		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10A
		Dilution Factor: 1		Analysis Time..: 17:55		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10C
		Dilution Factor: 1		Analysis Time..: 17:55		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10D
		Dilution Factor: 1		Analysis Time..: 17:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

TOTAL Metals

Lot-Sample #...: H8E290237-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**6770**	**100**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10E**
		Dilution Factor: 1		Analysis Time..: 17:55		
Magnesium	**861000**	**100000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10F**
		Dilution Factor: 20		Analysis Time..: 21:10		
Manganese	**153**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10G**
		Dilution Factor: 1		Analysis Time..: 17:55		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10H
		Dilution Factor: 1		Analysis Time..: 17:55		
Potassium	**78600**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10J**
		Dilution Factor: 1		Analysis Time..: 17:55		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10K
		Dilution Factor: 1		Analysis Time..: 17:55		
Sodium	**7300000**	**100000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10L**
		Dilution Factor: 20		Analysis Time..: 21:10		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK3E10M
		Dilution Factor: 1		Analysis Time..: 17:55		
Zinc	**42.1**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK3E10N**
		Dilution Factor: 1		Analysis Time..: 17:55		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

DISSOLVED Metals

Lot-Sample #...: H8E290237-013 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	**0.24**	**0.20**	**ug/L**	**SW846 7470A**	**06/11/98**	**CHK4A10Q**
		Dilution Factor: 1		Analysis Time..: 16:10		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHK4A101
		Dilution Factor: 1		Analysis Time..: 15:46		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4A10L
		Dilution Factor: 1		Analysis Time..: 17:48		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4A10M
		Dilution Factor: 1		Analysis Time..: 17:48		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A102
		Dilution Factor: 1		Analysis Time..: 15:46		
Barium	**4950**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4A103**
		Dilution Factor: 1		Analysis Time..: 15:46		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4A10N
		Dilution Factor: 1		Analysis Time..: 17:48		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A104
		Dilution Factor: 1		Analysis Time..: 15:46		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4A10P
		Dilution Factor: 1		Analysis Time..: 17:48		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHK4A105
		Dilution Factor: 1		Analysis Time..: 17:48		
Calcium	**491000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHK4A106**
		Dilution Factor: 1		Analysis Time..: 15:46		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A107
		Dilution Factor: 1		Analysis Time..: 15:46		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A108
		Dilution Factor: 1		Analysis Time..: 15:46		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A109
		Dilution Factor: 1		Analysis Time..: 15:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

DISSOLVED Metals

Lot-Sample #...: H8E290237-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1320	100	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10A
		Dilution Factor: 1		Analysis Time..: 15:46		
Magnesium	223000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10C
		Dilution Factor: 1		Analysis Time..: 15:46		
Manganese	47.0	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10D
		Dilution Factor: 1		Analysis Time..: 15:46		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10E
		Dilution Factor: 1		Analysis Time..: 15:46		
Potassium	21600	5000	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10F
		Dilution Factor: 1		Analysis Time..: 15:46		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10G
		Dilution Factor: 1		Analysis Time..: 15:46		
Sodium	1870000	50000	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10H
		Dilution Factor: 10		Analysis Time..: 20:50		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10J
		Dilution Factor: 1		Analysis Time..: 15:46		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHK4A10K
		Dilution Factor: 1		Analysis Time..: 15:46		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

TOTAL Metals

Lot-Sample #...: H8E300151-001 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN010U
		Dilution Factor: 1		Analysis Time..: 15:05		
Prep Batch #...: 8159266						
Aluminum	**2280**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN0104**
		Dilution Factor: 1		Analysis Time..: 18:00		
Arsenic	**14.5**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHKN010P**
		Dilution Factor: 1		Analysis Time..: 20:20		
Lead	**5.6**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHKN010Q**
		Dilution Factor: 1		Analysis Time..: 20:20		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN0105
		Dilution Factor: 1		Analysis Time..: 18:00		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN0106
		Dilution Factor: 1		Analysis Time..: 18:00		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN010R
		Dilution Factor: 1		Analysis Time..: 20:20		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN0107
		Dilution Factor: 1		Analysis Time..: 18:00		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN010T
		Dilution Factor: 1		Analysis Time..: 20:20		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN0108
		Dilution Factor: 1		Analysis Time..: 20:20		
Calcium	**136000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN0109**
		Dilution Factor: 1		Analysis Time..: 18:00		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010A
		Dilution Factor: 1		Analysis Time..: 18:00		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010C
		Dilution Factor: 1		Analysis Time..: 18:00		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010D
		Dilution Factor: 1		Analysis Time..: 18:00		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

TOTAL Metals

Lot-Sample #...: H8E300151-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18700	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN010E
		Dilution Factor: 1		Analysis Time..: 18:00		
Magnesium	46900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN010F
		Dilution Factor: 1		Analysis Time..: 18:00		
Manganese	1250	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010G
		Dilution Factor: 1		Analysis Time..: 18:00		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010H
		Dilution Factor: 1		Analysis Time..: 18:00		
Potassium	7500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN010J
		Dilution Factor: 1		Analysis Time..: 18:00		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010K
		Dilution Factor: 1		Analysis Time..: 18:00		
Sodium	52100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN010L
		Dilution Factor: 1		Analysis Time..: 18:00		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010M
		Dilution Factor: 1		Analysis Time..: 18:00		
Zinc	48.1	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN010N
		Dilution Factor: 1		Analysis Time..: 18:00		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

DISSOLVED Metals

Lot-Sample #...: H8E300151-008 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN710Q
		Dilution Factor: 1		Analysis Time..: 16:13		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN7101
		Dilution Factor: 1		Analysis Time..: 15:51		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN710L
		Dilution Factor: 1		Analysis Time..: 17:54		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN710M
		Dilution Factor: 1		Analysis Time..: 17:54		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN7102
		Dilution Factor: 1		Analysis Time..: 15:51		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN7103
		Dilution Factor: 1		Analysis Time..: 15:51		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN710N
		Dilution Factor: 1		Analysis Time..: 17:54		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN7104
		Dilution Factor: 1		Analysis Time..: 15:51		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN710P
		Dilution Factor: 1		Analysis Time..: 17:54		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN7105
		Dilution Factor: 1		Analysis Time..: 17:54		
Calcium	**131000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN7106**
		Dilution Factor: 1		Analysis Time..: 15:51		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN7107
		Dilution Factor: 1		Analysis Time..: 15:51		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN7108
		Dilution Factor: 1		Analysis Time..: 15:51		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN7109
		Dilution Factor: 1		Analysis Time..: 15:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

DISSOLVED Metals

Lot-Sample #...: H8E300151-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	9330	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN710A
		Dilution Factor: 1		Analysis Time..: 15:51		
Magnesium	48100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN710C
		Dilution Factor: 1		Analysis Time..: 15:51		
Manganese	1370	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN710D
		Dilution Factor: 1		Analysis Time..: 15:51		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN710E
		Dilution Factor: 1		Analysis Time..: 15:51		
Potassium	7710	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN710F
		Dilution Factor: 1		Analysis Time..: 15:51		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN710G
		Dilution Factor: 1		Analysis Time..: 15:51		
Sodium	55900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN710H
		Dilution Factor: 1		Analysis Time..: 15:51		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN710J
		Dilution Factor: 1		Analysis Time..: 15:51		
Zinc	22.7	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN710K
		Dilution Factor: 1		Analysis Time..: 15:51		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

TOTAL Metals

Lot-Sample #...: H8E300151-002 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	0.24	0.20	ug/L	SW846 7470A	06/11/98	CHKN110U
		Dilution Factor: 1		Analysis Time..: 15:07		
Prep Batch #...: 8159266						
Aluminum	16500	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN1104
		Dilution Factor: 1		Analysis Time..: 18:05		
Arsenic	31.9	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN110P
		Dilution Factor: 1		Analysis Time..: 20:26		
Lead	27.3	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN110Q
		Dilution Factor: 1		Analysis Time..: 20:26		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN1105
		Dilution Factor: 1		Analysis Time..: 18:05		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN1106
		Dilution Factor: 1		Analysis Time..: 18:05		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN110R
		Dilution Factor: 1		Analysis Time..: 20:26		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN1107
		Dilution Factor: 1		Analysis Time..: 18:05		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN110T
		Dilution Factor: 1		Analysis Time..: 20:26		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN1108
		Dilution Factor: 1		Analysis Time..: 20:26		
Calcium	252000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN1109
		Dilution Factor: 1		Analysis Time..: 18:05		
Chromium	45.5	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110A
		Dilution Factor: 1		Analysis Time..: 18:05		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110C
		Dilution Factor: 1		Analysis Time..: 18:05		
Copper	40.4	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110D
		Dilution Factor: 1		Analysis Time..: 18:05		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

TOTAL Metals

Lot-Sample #...: H8E300151-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	55900	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN110E
		Dilution Factor: 1		Analysis Time..: 18:05		
Magnesium	61600	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN110F
		Dilution Factor: 1		Analysis Time..: 18:05		
Manganese	1540	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110G
		Dilution Factor: 1		Analysis Time..: 18:05		
Nickel	60.6	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110H
		Dilution Factor: 1		Analysis Time..: 18:05		
Potassium	13000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN110J
		Dilution Factor: 1		Analysis Time..: 18:05		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110K
		Dilution Factor: 1		Analysis Time..: 18:05		
Sodium	68100	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN110L
		Dilution Factor: 1		Analysis Time..: 18:05		
Vanadium	55.1	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110M
		Dilution Factor: 1		Analysis Time..: 18:05		
Zinc	138	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN110N
		Dilution Factor: 1		Analysis Time..: 18:05		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

DISSOLVED Metals

Lot-Sample #...: H8E300151-009 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN810Q
		Dilution Factor: 1		Analysis Time..: 16:15		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN8101
		Dilution Factor: 1		Analysis Time..: 15:55		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN810L
		Dilution Factor: 1		Analysis Time..: 17:59		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN810M
		Dilution Factor: 1		Analysis Time..: 17:59		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN8102
		Dilution Factor: 1		Analysis Time..: 15:55		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN8103
		Dilution Factor: 1		Analysis Time..: 15:55		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN810N
		Dilution Factor: 1		Analysis Time..: 17:59		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN8104
		Dilution Factor: 1		Analysis Time..: 15:55		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN810P
		Dilution Factor: 1		Analysis Time..: 17:59		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN8105
		Dilution Factor: 1		Analysis Time..: 17:59		
Calcium	**145000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN8106**
		Dilution Factor: 1		Analysis Time..: 15:55		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN8107
		Dilution Factor: 1		Analysis Time..: 15:55		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN8108
		Dilution Factor: 1		Analysis Time..: 15:55		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN8109
		Dilution Factor: 1		Analysis Time..: 15:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5616

DISSOLVED Metals

Lot-Sample #...: H8E300151-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	10700	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN810A
		Dilution Factor: 1		Analysis Time..: 15:55		
Magnesium	52900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN810C
		Dilution Factor: 1		Analysis Time..: 15:55		
Manganese	1370	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN810D
		Dilution Factor: 1		Analysis Time..: 15:55		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN810E
		Dilution Factor: 1		Analysis Time..: 15:55		
Potassium	8770	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN810F
		Dilution Factor: 1		Analysis Time..: 15:55		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN810G
		Dilution Factor: 1		Analysis Time..: 15:55		
Sodium	65900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN810H
		Dilution Factor: 1		Analysis Time..: 15:55		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN810J
		Dilution Factor: 1		Analysis Time..: 15:55		
Zinc	36.9	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN810K
		Dilution Factor: 1		Analysis Time..: 15:55		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

TOTAL Metals

Lot-Sample #...: H8E300151-003 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN210U
		Dilution Factor: 1		Analysis Time..: 15:10		
Prep Batch #...: 8159266						
Aluminum	**2990**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN2104**
		Dilution Factor: 1		Analysis Time..: 18:37		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN210P
		Dilution Factor: 1		Analysis Time..: 20:43		
Lead	**3.2**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHKN210Q**
		Dilution Factor: 1		Analysis Time..: 20:43		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN2105
		Dilution Factor: 1		Analysis Time..: 18:37		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN2106
		Dilution Factor: 1		Analysis Time..: 18:37		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN210R
		Dilution Factor: 1		Analysis Time..: 20:43		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN2107
		Dilution Factor: 1		Analysis Time..: 18:37		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN210T
		Dilution Factor: 1		Analysis Time..: 20:43		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN2108
		Dilution Factor: 1		Analysis Time..: 20:43		
Calcium	**162000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN2109**
		Dilution Factor: 1		Analysis Time..: 18:37		
Chromium	**12.2**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN210A**
		Dilution Factor: 1		Analysis Time..: 18:37		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210C
		Dilution Factor: 1		Analysis Time..: 18:37		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210D
		Dilution Factor: 1		Analysis Time..: 18:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

TOTAL Metals

Lot-Sample #...: H8E300151-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	6610	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN210E
		Dilution Factor: 1		Analysis Time..: 18:37		
Magnesium	58700	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN210F
		Dilution Factor: 1		Analysis Time..: 18:37		
Manganese	444	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210G
		Dilution Factor: 1		Analysis Time..: 18:37		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210H
		Dilution Factor: 1		Analysis Time..: 18:37		
Potassium	16500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN210J
		Dilution Factor: 1		Analysis Time..: 18:37		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210K
		Dilution Factor: 1		Analysis Time..: 18:37		
Sodium	90500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN210L
		Dilution Factor: 1		Analysis Time..: 18:37		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210M
		Dilution Factor: 1		Analysis Time..: 18:37		
Zinc	37.5	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN210N
		Dilution Factor: 1		Analysis Time..: 18:37		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

DISSOLVED Metals

Lot-Sample #...: H8E300151-010 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN910Q
		Dilution Factor: 1		Analysis Time..: 16:18		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN9101
		Dilution Factor: 1		Analysis Time..: 16:00		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN910L
		Dilution Factor: 1		Analysis Time..: 18:05		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN910M
		Dilution Factor: 1		Analysis Time..: 18:05		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN9102
		Dilution Factor: 1		Analysis Time..: 16:00		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN9103
		Dilution Factor: 1		Analysis Time..: 16:00		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN910N
		Dilution Factor: 1		Analysis Time..: 18:05		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN9104
		Dilution Factor: 1		Analysis Time..: 16:00		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN910P
		Dilution Factor: 1		Analysis Time..: 18:05		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN9105
		Dilution Factor: 1		Analysis Time..: 18:05		
Calcium	**183000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN9106**
		Dilution Factor: 1		Analysis Time..: 16:00		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN9107
		Dilution Factor: 1		Analysis Time..: 16:00		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN9108
		Dilution Factor: 1		Analysis Time..: 16:00		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN9109
		Dilution Factor: 1		Analysis Time..: 16:00		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

DISSOLVED Metals

Lot-Sample #...: H8E300151-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN910A
		Dilution Factor: 1		Analysis Time..: 16:00		
Magnesium	**67600**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN910C**
		Dilution Factor: 1		Analysis Time..: 16:00		
Manganese	**355**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN910D**
		Dilution Factor: 1		Analysis Time..: 16:00		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN910E
		Dilution Factor: 1		Analysis Time..: 16:00		
Potassium	**18400**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN910F**
		Dilution Factor: 1		Analysis Time..: 16:00		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN910G
		Dilution Factor: 1		Analysis Time..: 16:00		
Sodium	**107000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN910H**
		Dilution Factor: 1		Analysis Time..: 16:00		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN910J
		Dilution Factor: 1		Analysis Time..: 16:00		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN910K
		Dilution Factor: 1		Analysis Time..: 16:00		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

TOTAL Metals

Lot-Sample #...: H8E300151-004 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	0.25	0.20	ug/L	SW846 7470A	06/11/98	CHKN310U
		Dilution Factor: 1		Analysis Time..: 15:12		
Prep Batch #...: 8159266						
Aluminum	143000	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN3104
		Dilution Factor: 1		Analysis Time..: 18:42		
Arsenic	113	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN310P
		Dilution Factor: 5		Analysis Time..: 20:48		
Lead	108	15.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN310Q
		Dilution Factor: 5		Analysis Time..: 20:48		
Antimony	82.0	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN3105
		Dilution Factor: 1		Analysis Time..: 18:42		
Barium	232	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN3106
		Dilution Factor: 1		Analysis Time..: 18:42		
Selenium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN310R
		Dilution Factor: 5		Analysis Time..: 20:48		
Beryllium	6.9	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN3107
		Dilution Factor: 1		Analysis Time..: 18:42		
Thallium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN310T
		Dilution Factor: 5		Analysis Time..: 20:48		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN3108
		Dilution Factor: 5		Analysis Time..: 20:48		
Calcium	1010000	50000	ug/L	SW846 6010A	06/09-06/18/98	CHKN3109
		Dilution Factor: 10		Analysis Time..: 20:15		
Chromium	258	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310A
		Dilution Factor: 1		Analysis Time..: 18:42		
Cobalt	222	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310C
		Dilution Factor: 1		Analysis Time..: 18:42		
Copper	225	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310D
		Dilution Factor: 1		Analysis Time..: 18:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

TOTAL Metals

Lot-Sample #...: H8E300151-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	304000	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN310E
		Dilution Factor: 1		Analysis Time..: 18:42		
Magnesium	172000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN310F
		Dilution Factor: 1		Analysis Time..: 18:42		
Manganese	7550	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310G
		Dilution Factor: 1		Analysis Time..: 18:42		
Nickel	628	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310H
		Dilution Factor: 1		Analysis Time..: 18:42		
Potassium	35700	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN310J
		Dilution Factor: 1		Analysis Time..: 18:42		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310K
		Dilution Factor: 1		Analysis Time..: 18:42		
Sodium	60000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN310L
		Dilution Factor: 1		Analysis Time..: 18:42		
Vanadium	244	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310M
		Dilution Factor: 1		Analysis Time..: 18:42		
Zinc	735	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN310N
		Dilution Factor: 1		Analysis Time..: 18:42		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

DISSOLVED Metals

Lot-Sample #...: H8E300151-011 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKNA10Q
		Dilution Factor: 1		Analysis Time..: 16:20		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKNA101
		Dilution Factor: 1		Analysis Time..: 16:05		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNA10L
		Dilution Factor: 1		Analysis Time..: 18:10		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNA10M
		Dilution Factor: 1		Analysis Time..: 18:10		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA102
		Dilution Factor: 1		Analysis Time..: 16:05		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKNA103
		Dilution Factor: 1		Analysis Time..: 16:05		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNA10N
		Dilution Factor: 1		Analysis Time..: 18:10		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA104
		Dilution Factor: 1		Analysis Time..: 16:05		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNA10P
		Dilution Factor: 1		Analysis Time..: 18:10		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNA105
		Dilution Factor: 1		Analysis Time..: 18:10		
Calcium	**152000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA106**
		Dilution Factor: 1		Analysis Time..: 16:05		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA107
		Dilution Factor: 1		Analysis Time..: 16:05		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA108
		Dilution Factor: 1		Analysis Time..: 16:05		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA109
		Dilution Factor: 1		Analysis Time..: 16:05		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

DISSOLVED Metals

Lot-Sample #...: H8E300151-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHKNA10A
		Dilution Factor: 1		Analysis Time..: 16:05		
Magnesium	**57100**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA10C**
		Dilution Factor: 1		Analysis Time..: 16:05		
Manganese	**134**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA10D**
		Dilution Factor: 1		Analysis Time..: 16:05		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA10E
		Dilution Factor: 1		Analysis Time..: 16:05		
Potassium	**12300**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA10F**
		Dilution Factor: 1		Analysis Time..: 16:05		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA10G
		Dilution Factor: 1		Analysis Time..: 16:05		
Sodium	**66800**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA10H**
		Dilution Factor: 1		Analysis Time..: 16:05		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNA10J
		Dilution Factor: 1		Analysis Time..: 16:05		
Zinc	**23.6**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNA10K**
		Dilution Factor: 1		Analysis Time..: 16:05		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

TOTAL Metals

Lot-Sample #...: H8E300151-005 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN410U
		Dilution Factor: 1		Analysis Time..: 15:14		
Prep Batch #...: 8159266						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN4104
		Dilution Factor: 1		Analysis Time..: 18:47		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN410P
		Dilution Factor: 1		Analysis Time..: 20:54		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN410Q
		Dilution Factor: 1		Analysis Time..: 20:54		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN4105
		Dilution Factor: 1		Analysis Time..: 18:47		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN4106
		Dilution Factor: 1		Analysis Time..: 18:47		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN410R
		Dilution Factor: 1		Analysis Time..: 20:54		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN4107
		Dilution Factor: 1		Analysis Time..: 18:47		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN410T
		Dilution Factor: 1		Analysis Time..: 20:54		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN4108
		Dilution Factor: 1		Analysis Time..: 20:54		
Calcium	125000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN4109
		Dilution Factor: 1		Analysis Time..: 18:47		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410A
		Dilution Factor: 1		Analysis Time..: 18:47		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410C
		Dilution Factor: 1		Analysis Time..: 18:47		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410D
		Dilution Factor: 1		Analysis Time..: 18:47		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

TOTAL Metals

Lot-Sample #...: H8E300151-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	207	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN410E
		Dilution Factor: 1		Analysis Time..: 18:47		
Magnesium	9250	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN410F
		Dilution Factor: 1		Analysis Time..: 18:47		
Manganese	41.9	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410G
		Dilution Factor: 1		Analysis Time..: 18:47		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410H
		Dilution Factor: 1		Analysis Time..: 18:47		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN410J
		Dilution Factor: 1		Analysis Time..: 18:47		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410K
		Dilution Factor: 1		Analysis Time..: 18:47		
Sodium	29500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN410L
		Dilution Factor: 1		Analysis Time..: 18:47		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410M
		Dilution Factor: 1		Analysis Time..: 18:47		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN410N
		Dilution Factor: 1		Analysis Time..: 18:47		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

DISSOLVED Metals

Lot-Sample #...: H8E300151-012 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKNC10Q
		Dilution Factor: 1		Analysis Time..: 16:28		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKNC101
		Dilution Factor: 1		Analysis Time..: 16:10		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNC10L
		Dilution Factor: 1		Analysis Time..: 18:27		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNC10M
		Dilution Factor: 1		Analysis Time..: 18:27		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC102
		Dilution Factor: 1		Analysis Time..: 16:10		
Barium	208	200	ug/L	SW846 6010A	06/09-06/18/98	CHKNC103
		Dilution Factor: 1		Analysis Time..: 16:10		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNC10N
		Dilution Factor: 1		Analysis Time..: 18:27		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC104
		Dilution Factor: 1		Analysis Time..: 16:10		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNC10P
		Dilution Factor: 1		Analysis Time..: 18:27		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKNC105
		Dilution Factor: 1		Analysis Time..: 18:27		
Calcium	140000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKNC106
		Dilution Factor: 1		Analysis Time..: 16:10		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC107
		Dilution Factor: 1		Analysis Time..: 16:10		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC108
		Dilution Factor: 1		Analysis Time..: 16:10		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC109
		Dilution Factor: 1		Analysis Time..: 16:10		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

DISSOLVED Metals

Lot-Sample #...: H8E300151-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10A
		Dilution Factor: 1		Analysis Time..: 16:10		
Magnesium	**14600**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNC10C**
		Dilution Factor: 1		Analysis Time..: 16:10		
Manganese	**43.8**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNC10D**
		Dilution Factor: 1		Analysis Time..: 16:10		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10E
		Dilution Factor: 1		Analysis Time..: 16:10		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10F
		Dilution Factor: 1		Analysis Time..: 16:10		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10G
		Dilution Factor: 1		Analysis Time..: 16:10		
Sodium	**53500**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKNC10H**
		Dilution Factor: 1		Analysis Time..: 16:10		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10J
		Dilution Factor: 1		Analysis Time..: 16:10		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKNC10K
		Dilution Factor: 1		Analysis Time..: 16:10		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

TOTAL Metals

Lot-Sample #...: H8E300151-006 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKN510U
		Dilution Factor: 1		Analysis Time..: 15:17		
Prep Batch #...: 8159266						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKN5104
		Dilution Factor: 1		Analysis Time..: 18:52		
Arsenic	ND	20.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN510P
		Dilution Factor: 2		Analysis Time..: 21:00		
Lead	ND	6.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN510Q
		Dilution Factor: 2		Analysis Time..: 21:00		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN5105
		Dilution Factor: 1		Analysis Time..: 18:52		
Barium	**800**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN5106**
		Dilution Factor: 1		Analysis Time..: 18:52		
Selenium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN510R
		Dilution Factor: 2		Analysis Time..: 21:00		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN5107
		Dilution Factor: 1		Analysis Time..: 18:52		
Thallium	ND	20.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN510T
		Dilution Factor: 2		Analysis Time..: 21:00		
Cadmium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKN5108
		Dilution Factor: 2		Analysis Time..: 21:00		
Calcium	**279000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKN5109**
		Dilution Factor: 1		Analysis Time..: 18:52		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510A
		Dilution Factor: 1		Analysis Time..: 18:52		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510C
		Dilution Factor: 1		Analysis Time..: 18:52		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510D
		Dilution Factor: 1		Analysis Time..: 18:52		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

TOTAL Metals

Lot-Sample #...: H8E300151-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	456	100	ug/L	SW846 6010A	06/09-06/18/98	CHKN510E
		Dilution Factor: 1		Analysis Time..: 18:52		
Magnesium	212000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN510F
		Dilution Factor: 1		Analysis Time..: 18:52		
Manganese	20.4	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510G
		Dilution Factor: 1		Analysis Time..: 18:52		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510H
		Dilution Factor: 1		Analysis Time..: 18:52		
Potassium	37200	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN510J
		Dilution Factor: 1		Analysis Time..: 18:52		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510K
		Dilution Factor: 1		Analysis Time..: 18:52		
Sodium	386000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHKN510L
		Dilution Factor: 1		Analysis Time..: 18:52		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510M
		Dilution Factor: 1		Analysis Time..: 18:52		
Zinc	30.8	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHKN510N
		Dilution Factor: 1		Analysis Time..: 18:52		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

DISSOLVED Metals

Lot-Sample #...: H8E300151-013 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHKND10Q
		Dilution Factor: 1		Analysis Time..: 16:30		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHKND101
		Dilution Factor: 1		Analysis Time..: 16:15		
Arsenic	**13.1**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHKND10L**
		Dilution Factor: 1		Analysis Time..: 18:33		
Lead	**6.8**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHKND10M**
		Dilution Factor: 1		Analysis Time..: 18:33		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND102
		Dilution Factor: 1		Analysis Time..: 16:15		
Barium	**871**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND103**
		Dilution Factor: 1		Analysis Time..: 16:15		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKND10N
		Dilution Factor: 1		Analysis Time..: 18:33		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND104
		Dilution Factor: 1		Analysis Time..: 16:15		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHKND10P
		Dilution Factor: 1		Analysis Time..: 18:33		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHKND105
		Dilution Factor: 1		Analysis Time..: 18:33		
Calcium	**289000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND106**
		Dilution Factor: 1		Analysis Time..: 16:15		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND107
		Dilution Factor: 1		Analysis Time..: 16:15		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND108
		Dilution Factor: 1		Analysis Time..: 16:15		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND109
		Dilution Factor: 1		Analysis Time..: 16:15		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

DISSOLVED Metals

Lot-Sample #...: H8E300151-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHKND10A
		Dilution Factor: 1		Analysis Time..: 16:15		
Magnesium	**231000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND10C**
		Dilution Factor: 1		Analysis Time..: 16:15		
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND10D
		Dilution Factor: 1		Analysis Time..: 16:15		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND10E
		Dilution Factor: 1		Analysis Time..: 16:15		
Potassium	**43100**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND10F**
		Dilution Factor: 1		Analysis Time..: 16:15		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND10G
		Dilution Factor: 1		Analysis Time..: 16:15		
Sodium	**431000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND10H**
		Dilution Factor: 1		Analysis Time..: 16:15		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHKND10J
		Dilution Factor: 1		Analysis Time..: 16:15		
Zinc	**73.4**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHKND10K**
		Dilution Factor: 1		Analysis Time..: 16:15		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

TOTAL Metals

Lot-Sample #...: H8F020185-001 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK212H
		Dilution Factor: 1		Analysis Time..: 15:19		
Prep Batch #...: 8159266						
Aluminum	12500	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK210A
		Dilution Factor: 1		Analysis Time..: 18:57		
Arsenic	12.0	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK2124
		Dilution Factor: 1		Analysis Time..: 21:05		
Lead	30.6	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK2127
		Dilution Factor: 1		Analysis Time..: 21:05		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK210E
		Dilution Factor: 1		Analysis Time..: 18:57		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK210H
		Dilution Factor: 1		Analysis Time..: 18:57		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK212A
		Dilution Factor: 1		Analysis Time..: 21:05		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK210L
		Dilution Factor: 1		Analysis Time..: 18:57		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK212E
		Dilution Factor: 1		Analysis Time..: 21:05		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK210P
		Dilution Factor: 1		Analysis Time..: 21:05		
Calcium	213000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK210T
		Dilution Factor: 1		Analysis Time..: 18:57		
Chromium	24.7	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK210W
		Dilution Factor: 1		Analysis Time..: 18:57		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK2111
		Dilution Factor: 1		Analysis Time..: 18:57		
Copper	32.1	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK2114
		Dilution Factor: 1		Analysis Time..: 18:57		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

TOTAL Metals

Lot-Sample #...: H8F020185-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	24300	100	ug/L	SW846 6010A	06/09-06/18/98	CHMK2117
		Dilution Factor: 1		Analysis Time..: 18:57		
Magnesium	56800	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK211A
		Dilution Factor: 1		Analysis Time..: 18:57		
Manganese	418	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK211E
		Dilution Factor: 1		Analysis Time..: 18:57		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK211H
		Dilution Factor: 1		Analysis Time..: 18:57		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK211L
		Dilution Factor: 1		Analysis Time..: 18:57		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK211P
		Dilution Factor: 1		Analysis Time..: 18:57		
Sodium	11900	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK211T
		Dilution Factor: 1		Analysis Time..: 18:57		
Vanadium	54.0	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK211W
		Dilution Factor: 1		Analysis Time..: 18:57		
Zinc	83.6	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK2121
		Dilution Factor: 1		Analysis Time..: 18:57		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

DISSOLVED Metals

Lot-Sample #...: H8F020185-005 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK7127
		Dilution Factor: 1		Analysis Time..: 16:32		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK7101
		Dilution Factor: 1		Analysis Time..: 16:30		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK711T
		Dilution Factor: 1		Analysis Time..: 18:39		
Lead	**3.0**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHMK711W**
		Dilution Factor: 1		Analysis Time..: 18:39		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK7104
		Dilution Factor: 1		Analysis Time..: 16:30		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK7107
		Dilution Factor: 1		Analysis Time..: 16:30		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK7121
		Dilution Factor: 1		Analysis Time..: 18:39		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK710A
		Dilution Factor: 1		Analysis Time..: 16:30		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK7124
		Dilution Factor: 1		Analysis Time..: 18:39		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK710E
		Dilution Factor: 1		Analysis Time..: 18:39		
Calcium	**152000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK710H**
		Dilution Factor: 1		Analysis Time..: 16:30		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK710L
		Dilution Factor: 1		Analysis Time..: 16:30		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK710P
		Dilution Factor: 1		Analysis Time..: 16:30		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK710T
		Dilution Factor: 1		Analysis Time..: 16:30		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

DISSOLVED Metals

Lot-Sample #...: H8F020185-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHMK710W
		Dilution Factor: 1		Analysis Time..: 16:30		
Magnesium	**37000**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK7111**
		Dilution Factor: 1		Analysis Time..: 16:30		
Manganese	**22.4**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK7114**
		Dilution Factor: 1		Analysis Time..: 16:30		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK7117
		Dilution Factor: 1		Analysis Time..: 16:30		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK711A
		Dilution Factor: 1		Analysis Time..: 16:30		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK711E
		Dilution Factor: 1		Analysis Time..: 16:30		
Sodium	**13400**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK711H**
		Dilution Factor: 1		Analysis Time..: 16:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK711L
		Dilution Factor: 1		Analysis Time..: 16:30		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK711P
		Dilution Factor: 1		Analysis Time..: 16:30		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

TOTAL Metals

Lot-Sample #...: H8F020185-002 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK310U
		Dilution Factor: 1		Analysis Time..: 15:31		
Prep Batch #...: 8159266						
Aluminum	**11000**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK3104**
		Dilution Factor: 1		Analysis Time..: 19:17		
Arsenic	ND	100	ug/L	SW846 6010A	06/09-06/19/98	CHMK310P
		Dilution Factor: 10		Analysis Time..: 21:28		
Lead	**40.4**	**30.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHMK310Q**
		Dilution Factor: 10		Analysis Time..: 21:28		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310S
		Dilution Factor: 1		Analysis Time..: 19:17		
Barium	**612**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK3106**
		Dilution Factor: 1		Analysis Time..: 19:17		
Selenium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK310R
		Dilution Factor: 10		Analysis Time..: 21:28		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK3107
		Dilution Factor: 1		Analysis Time..: 19:17		
Thallium	**101**	**100**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHMK310T**
		Dilution Factor: 10		Analysis Time..: 21:28		
Cadmium	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK3108
		Dilution Factor: 10		Analysis Time..: 21:28		
Calcium	**2880000**	**50000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK3109**
		Dilution Factor: 10		Analysis Time..: 21:15		
Chromium	**105**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK310A**
		Dilution Factor: 1		Analysis Time..: 19:17		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310C
		Dilution Factor: 1		Analysis Time..: 19:17		
Copper	**84.9**	**25.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK310D**
		Dilution Factor: 1		Analysis Time..: 19:17		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

TOTAL Metals

Lot-Sample #...: H8F020185-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	45900	100	ug/L	SW846 6010A	06/09-06/18/98	CHMK310E
		Dilution Factor: 1		Analysis Time..: 19:17		
Magnesium	105000	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK310F
		Dilution Factor: 1		Analysis Time..: 19:17		
Manganese	2200	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310G
		Dilution Factor: 1		Analysis Time..: 19:17		
Nickel	54.7	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310H
		Dilution Factor: 1		Analysis Time..: 19:17		
Potassium	22800	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK310J
		Dilution Factor: 1		Analysis Time..: 19:17		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310K
		Dilution Factor: 1		Analysis Time..: 19:17		
Sodium	46600	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK310L
		Dilution Factor: 1		Analysis Time..: 19:17		
Vanadium	126	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310M
		Dilution Factor: 1		Analysis Time..: 19:17		
Zinc	235	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK310N
		Dilution Factor: 1		Analysis Time..: 19:17		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

DISSOLVED Metals

Lot-Sample #...: H8F020185-006 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK810Q
		Dilution Factor: 1		Analysis Time..: 16:40		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK8101
		Dilution Factor: 1		Analysis Time..: 16:50		
Arsenic	ND	50.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK810L
		Dilution Factor: 5		Analysis Time..: 19:01		
Lead	ND	15.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK810M
		Dilution Factor: 5		Analysis Time..: 19:01		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK8102
		Dilution Factor: 1		Analysis Time..: 16:50		
Barium	**523**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK8103**
		Dilution Factor: 1		Analysis Time..: 16:50		
Selenium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK810N
		Dilution Factor: 5		Analysis Time..: 19:01		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK8104
		Dilution Factor: 1		Analysis Time..: 16:50		
Thallium	**53.1**	**50.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHMK810P**
		Dilution Factor: 5		Analysis Time..: 19:01		
Cadmium	ND	25.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK8105
		Dilution Factor: 5		Analysis Time..: 19:01		
Calcium	**949000**	**50000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK8106**
		Dilution Factor: 10		Analysis Time..: 20:55		
Chromium	**14.8**	**10.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK8107**
		Dilution Factor: 1		Analysis Time..: 16:50		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK8108
		Dilution Factor: 1		Analysis Time..: 16:50		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK8109
		Dilution Factor: 1		Analysis Time..: 16:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

DISSOLVED Metals

Lot-Sample #...: H8F020185-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHMK810A
		Dilution Factor: 1		Analysis Time..: 16:50		
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK810C
		Dilution Factor: 1		Analysis Time..: 16:50		
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK810D
		Dilution Factor: 1		Analysis Time..: 16:50		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK810E
		Dilution Factor: 1		Analysis Time..: 16:50		
Potassium	23500	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK810F
		Dilution Factor: 1		Analysis Time..: 16:50		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK810G
		Dilution Factor: 1		Analysis Time..: 16:50		
Sodium	57200	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK810H
		Dilution Factor: 1		Analysis Time..: 16:50		
Vanadium	50.6	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK810J
		Dilution Factor: 1		Analysis Time..: 16:50		
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK810K
		Dilution Factor: 1		Analysis Time..: 16:50		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

TOTAL Metals

Lot-Sample #...: H8F020185-003 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK410U
		Dilution Factor: 1		Analysis Time..: 15:34		
Prep Batch #...: 8159266						
Aluminum	**298**	**200**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK4104**
		Dilution Factor: 1		Analysis Time..: 19:22		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK410P
		Dilution Factor: 1		Analysis Time..: 21:33		
Lead	**12.2**	**3.0**	**ug/L**	**SW846 6010A**	**06/09-06/19/98**	**CHMK410Q**
		Dilution Factor: 1		Analysis Time..: 21:33		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK4105
		Dilution Factor: 1		Analysis Time..: 19:22		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK4106
		Dilution Factor: 1		Analysis Time..: 19:22		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK410R
		Dilution Factor: 1		Analysis Time..: 21:33		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK4107
		Dilution Factor: 1		Analysis Time..: 19:22		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK410T
		Dilution Factor: 1		Analysis Time..: 21:33		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK4108
		Dilution Factor: 1		Analysis Time..: 21:33		
Calcium	**23400**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK4109**
		Dilution Factor: 1		Analysis Time..: 19:22		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK410A
		Dilution Factor: 1		Analysis Time..: 19:22		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK410C
		Dilution Factor: 1		Analysis Time..: 19:22		
Copper	**29.3**	**25.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK410D**
		Dilution Factor: 1		Analysis Time..: 19:22		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

TOTAL Metals

Lot-Sample #...: H8F020185-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**11100**	**100**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK410E**
		Dilution Factor: 1		Analysis Time..: 19:22		
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK410F
		Dilution Factor: 1		Analysis Time..: 19:22		
Manganese	**388**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK410G**
		Dilution Factor: 1		Analysis Time..: 19:22		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK410H
		Dilution Factor: 1		Analysis Time..: 19:22		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK410J
		Dilution Factor: 1		Analysis Time..: 19:22		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK410K
		Dilution Factor: 1		Analysis Time..: 19:22		
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK410L
		Dilution Factor: 1		Analysis Time..: 19:22		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK410M
		Dilution Factor: 1		Analysis Time..: 19:22		
Zinc	**63.1**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK410N**
		Dilution Factor: 1		Analysis Time..: 19:22		

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

DISSOLVED Metals

Lot-Sample #...: H8F020185-007 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK910Q
		Dilution Factor: 1		Analysis Time..: 16:42		
Prep Batch #...: 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK9101
		Dilution Factor: 1		Analysis Time..: 16:55		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK910L
		Dilution Factor: 1		Analysis Time..: 21:56		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK910M
		Dilution Factor: 1		Analysis Time..: 21:56		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK9102
		Dilution Factor: 1		Analysis Time..: 16:55		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK9103
		Dilution Factor: 1		Analysis Time..: 16:55		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK910N
		Dilution Factor: 1		Analysis Time..: 21:56		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK9104
		Dilution Factor: 1		Analysis Time..: 16:55		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK910P
		Dilution Factor: 1		Analysis Time..: 21:56		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK9105
		Dilution Factor: 1		Analysis Time..: 21:56		
Calcium	**25300**	**5000**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK9106**
		Dilution Factor: 1		Analysis Time..: 16:55		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK9107
		Dilution Factor: 1		Analysis Time..: 16:55		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK9108
		Dilution Factor: 1		Analysis Time..: 16:55		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK9109
		Dilution Factor: 1		Analysis Time..: 16:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

DISSOLVED Metals

Lot-Sample #...: H8F020185-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1210**	**100**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK910A**
		Dilution Factor: 1		Analysis Time..: 16:55		
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK910C
		Dilution Factor: 1		Analysis Time..: 16:55		
Manganese	**386**	**15.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK910D**
		Dilution Factor: 1		Analysis Time..: 16:55		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK910E
		Dilution Factor: 1		Analysis Time..: 16:55		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK910F
		Dilution Factor: 1		Analysis Time..: 16:55		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK910G
		Dilution Factor: 1		Analysis Time..: 16:55		
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK910H
		Dilution Factor: 1		Analysis Time..: 16:55		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK910J
		Dilution Factor: 1		Analysis Time..: 16:55		
Zinc	**28.3**	**20.0**	**ug/L**	**SW846 6010A**	**06/09-06/18/98**	**CHMK910K**
		Dilution Factor: 1		Analysis Time..: 16:55		

IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

TOTAL Metals

Lot-Sample #...: H8F020185-004 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHMK510U
		Dilution Factor: 1		Analysis Time..: 15:36		
Prep Batch #...: 8159266						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK5104
		Dilution Factor: 1		Analysis Time..: 19:37		
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK510P
		Dilution Factor: 1		Analysis Time..: 21:50		
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK510Q
		Dilution Factor: 1		Analysis Time..: 21:50		
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK5105
		Dilution Factor: 1		Analysis Time..: 19:37		
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHMK5106
		Dilution Factor: 1		Analysis Time..: 19:37		
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK510R
		Dilution Factor: 1		Analysis Time..: 21:50		
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK5107
		Dilution Factor: 1		Analysis Time..: 19:37		
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK510T
		Dilution Factor: 1		Analysis Time..: 21:50		
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHMK5108
		Dilution Factor: 1		Analysis Time..: 21:50		
Calcium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK5109
		Dilution Factor: 1		Analysis Time..: 19:37		
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510A
		Dilution Factor: 1		Analysis Time..: 19:37		
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510C
		Dilution Factor: 1		Analysis Time..: 19:37		
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510D
		Dilution Factor: 1		Analysis Time..: 19:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9025

TOTAL Metals

Lot-Sample #...: H8F020185-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHMK510E
		Dilution Factor: 1		Analysis Time..: 19:37		
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK510F
		Dilution Factor: 1		Analysis Time..: 19:37		
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510G
		Dilution Factor: 1		Analysis Time..: 19:37		
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510H
		Dilution Factor: 1		Analysis Time..: 19:37		
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK510J
		Dilution Factor: 1		Analysis Time..: 19:37		
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510K
		Dilution Factor: 1		Analysis Time..: 19:37		
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHMK510L
		Dilution Factor: 1		Analysis Time..: 19:37		
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510M
		Dilution Factor: 1		Analysis Time..: 19:37		
Zinc	29.0	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHMK510N
		Dilution Factor: 1		Analysis Time..: 19:37		

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8F080000-197 **Prep Batch #...:** 8159197						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHTA7101
		Dilution Factor: 1				
		Analysis Time..: 15:39				
MB Lot-Sample #: H8F080000-273 **Prep Batch #...:** 8159273						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10F
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHTJA10A
		Dilution Factor: 1				
		Analysis Time..: 16:20				
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10G
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHTJA10C
		Dilution Factor: 1				
		Analysis Time..: 16:20				
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10H
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHTJA10D
		Dilution Factor: 1				
		Analysis Time..: 16:20				
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10J
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHTJA10E
		Dilution Factor: 1				
		Analysis Time..: 16:20				
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHTJA10K
		Dilution Factor: 1				
		Analysis Time..: 16:20				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10L
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10M
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10N
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA10P
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHTJA101
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTJA102
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA103
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA104
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTJA105
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA106
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTJA107
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA108
		Dilution Factor: 1				
		Analysis Time..: 14:27				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHTJA109

Dilution Factor: 1

Analysis Time..: 14:27

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8F080000-266 **Prep Batch #...:** 8159266						
Aluminum	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10J
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Arsenic	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHTHQ10E
		Dilution Factor: 1				
		Analysis Time..: 16:34				
Antimony	ND	60.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10K
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Lead	ND	3.0	ug/L	SW846 6010A	06/09-06/19/98	CHTHQ10F
		Dilution Factor: 1				
		Analysis Time..: 16:34				
Barium	ND	200	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10L
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Selenium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHTHQ10G
		Dilution Factor: 1				
		Analysis Time..: 16:34				
Beryllium	ND	5.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10M
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Thallium	ND	10.0	ug/L	SW846 6010A	06/09-06/19/98	CHTHQ10H
		Dilution Factor: 1				
		Analysis Time..: 16:34				
Cadmium	ND	5.0	ug/L	SW846 6010A	06/09-06/19/98	CHTHQ10N
		Dilution Factor: 1				
		Analysis Time..: 16:34				
Calcium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10P
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Chromium	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ101
		Dilution Factor: 1				
		Analysis Time..: 14:37				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ102
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Copper	ND	25.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ103
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Iron	ND	100	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ104
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Magnesium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ105
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Manganese	ND	15.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ106
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Nickel	ND	40.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ107
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Potassium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ108
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Silver	ND	10.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ109
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Sodium	ND	5000	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10A
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Vanadium	ND	50.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10C
		Dilution Factor: 1				
		Analysis Time..: 14:37				
Zinc	ND	20.0	ug/L	SW846 6010A	06/09-06/18/98	CHTHQ10D
		Dilution Factor: 1				
		Analysis Time..: 14:37				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8F080000-196 **Prep Batch #...:** 8159196						
Mercury	ND	0.20	ug/L	SW846 7470A	06/11/98	CHT9W101
		Dilution Factor: 1				
		Analysis Time..: 14:32				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E290237-004 Prep Batch #...: 8159196							
Mercury	105	(70 - 129)			SW846 7470A	06/11/98	CHK1J12J
	86	(70 - 129)	19	(0-20)	SW846 7470A	06/11/98	CHK1J12K
		Dilution Factor: 1					
		Analysis Time..: 14:51					
MS Lot-Sample #: H8E290237-004 Prep Batch #...: 8159266							
Aluminum	117	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10C
	110	(80 - 120)	4.1	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J10D
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Arsenic	102	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK1J125
	96	(80 - 120)	6.3	(0-20)	SW846 6010A	06/09-06/19/98	CHK1J126
		Dilution Factor: 1					
		Analysis Time..: 19:58					
Antimony	121 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10F
	114	(80 - 120)	6.7	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J10G
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Lead	100	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK1J128
	96	(80 - 120)	4.4	(0-20)	SW846 6010A	06/09-06/19/98	CHK1J129
		Dilution Factor: 1					
		Analysis Time..: 19:58					
Barium	98	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10J
	93	(80 - 120)	5.1	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J10K
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Selenium	102	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK1J12C
	96	(80 - 120)	6.7	(0-20)	SW846 6010A	06/09-06/19/98	CHK1J12D
		Dilution Factor: 1					
		Analysis Time..: 19:58					
Beryllium	109	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10M
	103	(80 - 120)	5.1	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J10N
		Dilution Factor: 1					
		Analysis Time..: 17:35					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	95	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK1J12F
	89	(80 - 120)	6.1	(0-20)	SW846 6010A	06/09-06/19/98	CHK1J12G
		Dilution Factor: 1					
		Analysis Time..: 19:58					
Cadmium	106	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK1J10Q
	101	(80 - 120)	4.7	(0-20)	SW846 6010A	06/09-06/19/98	CHK1J10R
		Dilution Factor: 1					
		Analysis Time..: 19:58					
Calcium	76 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10U
	56 N	(80 - 120)	5.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J10V
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Chromium	105	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J10X
	99	(80 - 120)	6.5	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J110
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Cobalt	102	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J112
	97	(80 - 120)	5.4	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J113
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Copper	102	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J115
	100	(80 - 120)	1.7	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J116
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Iron	83	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J118
	66 N	(80 - 120)	7.0	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J119
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Magnesium	102	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11C
	95	(80 - 120)	5.5	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11D
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Manganese	97	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11F
	90	(80 - 120)	4.9	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11G
		Dilution Factor: 1					
		Analysis Time..: 17:35					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	101	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11J
	96	(80 - 120)	5.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11K
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Potassium	105	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11M
	100	(80 - 120)	4.5	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11N
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Silver	95	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11Q
	90	(80 - 120)	5.3	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11R
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Sodium	107	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11U
	101	(80 - 120)	4.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J11V
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Vanadium	99	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J11X
	93	(80 - 120)	5.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J120
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Zinc	106	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK1J122
	161 N,*	(80 - 120)	40	(0-20)	SW846 6010A	06/09-06/18/98	CHK1J123
		Dilution Factor: 1					
		Analysis Time..: 17:35					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E290237-011 **Prep Batch #...:** 8159197							
Mercury	81	(70 - 129)			SW846 7470A	06/11/98	CHK47128
	72	(70 - 129)	7.5	(0-20)	SW846 7470A	06/11/98	CHK47129
		Dilution Factor: 1					
		Analysis Time..: 16:03					
MS Lot-Sample #: H8E290237-011 **Prep Batch #...:** 8159273							
Aluminum	115	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47102
	108	(80 - 120)	6.7	(0-20)	SW846 6010A	06/09-06/18/98	CHK47103
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Arsenic	113	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK4711U
	106	(80 - 120)	6.3	(0-20)	SW846 6010A	06/09-06/19/98	CHK4711V
		Dilution Factor: 1					
		Analysis Time..: 17:31					
Antimony	133 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47105
	126 N	(80 - 120)	5.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK47106
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Lead	112	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK4711X
	105	(80 - 120)	5.9	(0-20)	SW846 6010A	06/09-06/19/98	CHK47120
		Dilution Factor: 1					
		Analysis Time..: 17:31					
Barium	112	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47108
	107	(80 - 120)	4.4	(0-20)	SW846 6010A	06/09-06/18/98	CHK47109
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Selenium	113	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK47122
	107	(80 - 120)	6.1	(0-20)	SW846 6010A	06/09-06/19/98	CHK47123
		Dilution Factor: 1					
		Analysis Time..: 17:31					
Beryllium	123 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710C
	118	(80 - 120)	4.4	(0-20)	SW846 6010A	06/09-06/18/98	CHK4710D
		Dilution Factor: 1					
		Analysis Time..: 15:31					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	106	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK47125
	100	(80 - 120)	6.0	(0-20)	SW846 6010A	06/09-06/19/98	CHK47126
		Dilution Factor: 1					
		Analysis Time..: 17:31					
Cadmium	118	(80 - 120)			SW846 6010A	06/09-06/19/98	CHK4710F
	110	(80 - 120)	6.6	(0-20)	SW846 6010A	06/09-06/19/98	CHK4710G
		Dilution Factor: 1					
		Analysis Time..: 17:31					
Calcium	163 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710J
	148 N	(80 - 120)	3.9	(0-20)	SW846 6010A	06/09-06/18/98	CHK4710K
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Chromium	119	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710M
	115	(80 - 120)	2.8	(0-20)	SW846 6010A	06/09-06/18/98	CHK4710N
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Cobalt	112	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710Q
	108	(80 - 120)	3.9	(0-20)	SW846 6010A	06/09-06/18/98	CHK4710R
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Copper	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710U
	106	(80 - 120)	2.1	(0-20)	SW846 6010A	06/09-06/18/98	CHK4710V
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Iron	109	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4710X
	105	(80 - 120)	3.9	(0-20)	SW846 6010A	06/09-06/18/98	CHK47110
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Magnesium	127 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47112
	121 N	(80 - 120)	4.3	(0-20)	SW846 6010A	06/09-06/18/98	CHK47113
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Manganese	114	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47115
	109	(80 - 120)	4.6	(0-20)	SW846 6010A	06/09-06/18/98	CHK47116
		Dilution Factor: 1					
		Analysis Time..: 15:31					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 05/28/98 **Date Received..:** 05/29/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	109	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK47118
	106	(80 - 120)	2.7	(0-20)	SW846 6010A	06/09-06/18/98	CHK47119
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Potassium	122 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4711C
	117	(80 - 120)	4.4	(0-20)	SW846 6010A	06/09-06/18/98	CHK4711D
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Silver	110	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4711F
	104	(80 - 120)	6.0	(0-20)	SW846 6010A	06/09-06/18/98	CHK4711G
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Sodium	123 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4711J
	117	(80 - 120)	4.6	(0-20)	SW846 6010A	06/09-06/18/98	CHK4711K
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Vanadium	109	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4711M
	105	(80 - 120)	3.5	(0-20)	SW846 6010A	06/09-06/18/98	CHK4711N
		Dilution Factor: 1					
		Analysis Time..: 15:31					
Zinc	114	(80 - 120)			SW846 6010A	06/09-06/18/98	CHK4711Q
	112	(80 - 120)	1.9	(0-20)	SW846 6010A	06/09-06/18/98	CHK4711R
		Dilution Factor: 1					
		Analysis Time..: 15:31					

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

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8F020185-001 **Prep Batch #...:** 8159196							
Mercury	116	(70 - 129)			SW846 7470A	06/11/98	CHMK212J
	103	(70 - 129)	11	(0-20)	SW846 7470A	06/11/98	CHMK212K
		Dilution Factor: 1					
		Analysis Time..: 15:21					
MS Lot-Sample #: H8F020185-001 **Prep Batch #...:** 8159266							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210C
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/09-06/18/98	CHMK210D
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Arsenic	106	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK2125
	104	(80 - 120)	1.1	(0-20)	SW846 6010A	06/09-06/19/98	CHMK2126
		Dilution Factor: 1					
		Analysis Time..: 21:16					
Antimony	123 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210F
	129 N	(80 - 120)	4.6	(0-20)	SW846 6010A	06/09-06/18/98	CHMK210G
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Lead	101	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK2128
	101	(80 - 120)	0.21	(0-20)	SW846 6010A	06/09-06/19/98	CHMK2129
		Dilution Factor: 1					
		Analysis Time..: 21:16					
Barium	99	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210J
	101	(80 - 120)	1.2	(0-20)	SW846 6010A	06/09-06/18/98	CHMK210K
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Selenium	104	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK212C
	104	(80 - 120)	0.01	(0-20)	SW846 6010A	06/09-06/19/98	CHMK212D
		Dilution Factor: 1					
		Analysis Time..: 21:16					
Beryllium	110	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210M
	111	(80 - 120)	0.65	(0-20)	SW846 6010A	06/09-06/18/98	CHMK210N
		Dilution Factor: 1					
		Analysis Time..: 19:02					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	97	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK212F
	96	(80 - 120)	1.1	(0-20)	SW846 6010A	06/09-06/19/98	CHMK212G
		Dilution Factor: 1					
		Analysis Time..: 21:16					
Cadmium	109	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK210Q
	106	(80 - 120)	2.4	(0-20)	SW846 6010A	06/09-06/19/98	CHMK210R
		Dilution Factor: 1					
		Analysis Time..: 21:16					
Calcium	NC,MSB	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210U
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/09-06/18/98	CHMK210V
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Chromium	107	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK210X
	107	(80 - 120)	0.62	(0-20)	SW846 6010A	06/09-06/18/98	CHMK2110
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Cobalt	105	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK2112
	106	(80 - 120)	1.0	(0-20)	SW846 6010A	06/09-06/18/98	CHMK2113
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Copper	110	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK2115
	103	(80 - 120)	5.6	(0-20)	SW846 6010A	06/09-06/18/98	CHMK2116
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Iron	NC,MSB	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK2118
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	06/09-06/18/98	CHMK2119
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Magnesium	115	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211C
	128 N	(80 - 120)	5.4	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211D
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Manganese	104	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211F
	111	(80 - 120)	3.8	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211G
		Dilution Factor: 1					
		Analysis Time..: 19:02					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	103	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211J
	104	(80 - 120)	0.45	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211K
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Potassium	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211M
	109	(80 - 120)	1.2	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211N
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Silver	94	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211Q
	98	(80 - 120)	3.5	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211R
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Sodium	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211U
	113	(80 - 120)	3.1	(0-20)	SW846 6010A	06/09-06/18/98	CHMK211V
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Vanadium	102	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK211X
	104	(80 - 120)	1.5	(0-20)	SW846 6010A	06/09-06/18/98	CHMK2120
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Zinc	114	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK2122
	109	(80 - 120)	4.1	(0-20)	SW846 6010A	06/09-06/18/98	CHMK2123
		Dilution Factor: 1					
		Analysis Time..: 19:02					

NOTE(S):

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

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.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8F020185-005 **Prep Batch #...:** 8159197							
Mercury	115	(70 - 129)			SW846 7470A	06/11/98	CHMK7128
	103	(70 - 129)	9.8	(0-20)	SW846 7470A	06/11/98	CHMK7129
		Dilution Factor: 1					
		Analysis Time..: 16:35					
MS Lot-Sample #: H8F020185-005 **Prep Batch #...:** 8159273							
Aluminum	113	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7102
	112	(80 - 120)	0.41	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7103
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Arsenic	114	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK711U
	110	(80 - 120)	3.1	(0-20)	SW846 6010A	06/09-06/19/98	CHMK711V
		Dilution Factor: 1					
		Analysis Time..: 18:50					
Antimony	129 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7105
	132 N	(80 - 120)	1.6	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7106
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Lead	111	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK711X
	108	(80 - 120)	2.7	(0-20)	SW846 6010A	06/09-06/19/98	CHMK7120
		Dilution Factor: 1					
		Analysis Time..: 18:50					
Barium	107	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7108
	106	(80 - 120)	1.4	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7109
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Selenium	112	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK7122
	110	(80 - 120)	2.1	(0-20)	SW846 6010A	06/09-06/19/98	CHMK7123
		Dilution Factor: 1					
		Analysis Time..: 18:50					
Beryllium	117	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710C
	116	(80 - 120)	0.68	(0-20)	SW846 6010A	06/09-06/18/98	CHMK710D
		Dilution Factor: 1					
		Analysis Time..: 16:35					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	106	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK7125
	103	(80 - 120)	2.9	(0-20)	SW846 6010A	06/09-06/19/98	CHMK7126
		Dilution Factor: 1					
		Analysis Time..: 18:50					
Cadmium	118	(80 - 120)			SW846 6010A	06/09-06/19/98	CHMK710F
	115	(80 - 120)	3.4	(0-20)	SW846 6010A	06/09-06/19/98	CHMK710G
		Dilution Factor: 1					
		Analysis Time..: 18:50					
Calcium	137 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710J
	117	(80 - 120)	4.6	(0-20)	SW846 6010A	06/09-06/18/98	CHMK710K
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Chromium	115	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710M
	114	(80 - 120)	0.80	(0-20)	SW846 6010A	06/09-06/18/98	CHMK710N
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Cobalt	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710Q
	108	(80 - 120)	0.21	(0-20)	SW846 6010A	06/09-06/18/98	CHMK710R
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Copper	115	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710U
	111	(80 - 120)	4.2	(0-20)	SW846 6010A	06/09-06/18/98	CHMK710V
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Iron	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK710X
	108	(80 - 120)	0.06	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7110
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Magnesium	122 N	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7112
	115	(80 - 120)	3.3	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7113
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Manganese	109	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7115
	108	(80 - 120)	1.5	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7116
		Dilution Factor: 1					
		Analysis Time..: 16:35					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	108	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK7118
	107	(80 - 120)	0.86	(0-20)	SW846 6010A	06/09-06/18/98	CHMK7119
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Potassium	119	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK711C
	117	(80 - 120)	1.2	(0-20)	SW846 6010A	06/09-06/18/98	CHMK711D
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Silver	104	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK711F
	109	(80 - 120)	4.5	(0-20)	SW846 6010A	06/09-06/18/98	CHMK711G
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Sodium	120	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK711J
	115	(80 - 120)	3.2	(0-20)	SW846 6010A	06/09-06/18/98	CHMK711K
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Vanadium	106	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK711M
	105	(80 - 120)	0.32	(0-20)	SW846 6010A	06/09-06/18/98	CHMK711N
		Dilution Factor: 1					
		Analysis Time..: 16:35					
Zinc	114	(80 - 120)			SW846 6010A	06/09-06/18/98	CHMK711Q
	116	(80 - 120)	0.97	(0-20)	SW846 6010A	06/09-06/18/98	CHMK711R
		Dilution Factor: 1					
		Analysis Time..: 16:35					

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 #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8F080000-196 **Prep Batch #...:** 8159196					
Mercury	96	(80 - 120)	SW846 7470A	06/11/98	CHT9W102
		Dilution Factor: 1			
		Analysis Time..: 14:34			
LCS Lot-Sample#: H8F080000-266 **Prep Batch #...:** 8159266					
Chromium	111	(80 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ10Q
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Cobalt	106	(83 - 115)	SW846 6010A	06/09-06/18/98	CHTHQ10R
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Copper	102	(82 - 116)	SW846 6010A	06/09-06/18/98	CHTHQ10T
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Iron	104	(87 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ10U
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Magnesium	111	(82 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ10V
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Manganese	108	(86 - 116)	SW846 6010A	06/09-06/18/98	CHTHQ10W
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Nickel	105	(83 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ10X
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Antimony	117	(87 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ11A
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Barium	103	(82 - 112)	SW846 6010A	06/09-06/18/98	CHTHQ11C
		Dilution Factor: 1			
		Analysis Time..: 14:46			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	115	(80 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ11D
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Cadmium	109	(81 - 118)	SW846 6010A	06/09-06/19/98	CHTHQ11E
		Dilution Factor: 1			
		Analysis Time..: 16:40			
Calcium	113	(82 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ11F
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Potassium	109	(81 - 115)	SW846 6010A	06/09-06/18/98	CHTHQ110
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Silver	103	(80 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ111
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Sodium	110	(82 - 114)	SW846 6010A	06/09-06/18/98	CHTHQ112
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Vanadium	103	(88 - 117)	SW846 6010A	06/09-06/18/98	CHTHQ113
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Zinc	112	(85 - 120)	SW846 6010A	06/09-06/18/98	CHTHQ114
		Dilution Factor: 1			
		Analysis Time..: 14:46			
Arsenic	103	(82 - 110)	SW846 6010A	06/09-06/19/98	CHTHQ115
		Dilution Factor: 1			
		Analysis Time..: 16:40			
Lead	103	(81 - 111)	SW846 6010A	06/09-06/19/98	CHTHQ116
		Dilution Factor: 1			
		Analysis Time..: 16:40			
Selenium	104	(81 - 113)	SW846 6010A	06/09-06/19/98	CHTHQ117
		Dilution Factor: 1			
		Analysis Time..: 16:40			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	98	(80 - 110)	SW846 6010A	06/09-06/19/98	CHTHQ118
		Dilution Factor: 1			
		Analysis Time..: 16:40			
Aluminum	105	(83 - 117)	SW846 6010A	06/09-06/18/98	CHTHQ119
		Dilution Factor: 1			
		Analysis Time..: 14:46			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8F080000-197 **Prep Batch #...:** 8159197					
Mercury	99	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 15:41	06/11/98	CHTA7102
LCS Lot-Sample#: H8F080000-273 **Prep Batch #...:** 8159273					
Iron	105	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10Q
Magnesium	112	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10R
Manganese	108	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10T
Nickel	107	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10U
Potassium	109	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10V
Silver	103	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10W
Sodium	110	(82 - 114)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA10X
Cadmium	116	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 16:25	06/09-06/19/98	CHTJA11A
Calcium	113	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 14:32	06/09-06/18/98	CHTJA11C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: PB026 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	113	(80 - 120)	SW846 6010A	06/09-06/18/98	CHTJA11D
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Cobalt	106	(83 - 115)	SW846 6010A	06/09-06/18/98	CHTJA11E
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Copper	102	(82 - 116)	SW846 6010A	06/09-06/18/98	CHTJA11F
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Vanadium	105	(88 - 117)	SW846 6010A	06/09-06/18/98	CHTJA110
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Zinc	111	(85 - 120)	SW846 6010A	06/09-06/18/98	CHTJA111
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Arsenic	110	(82 - 110)	SW846 6010A	06/09-06/19/98	CHTJA112
		Dilution Factor: 1			
		Analysis Time..: 16:25			
Lead	110	(81 - 111)	SW846 6010A	06/09-06/19/98	CHTJA113
		Dilution Factor: 1			
		Analysis Time..: 16:25			
Selenium	111	(81 - 113)	SW846 6010A	06/09-06/19/98	CHTJA114
		Dilution Factor: 1			
		Analysis Time..: 16:25			
Thallium	105	(80 - 110)	SW846 6010A	06/09-06/19/98	CHTJA115
		Dilution Factor: 1			
		Analysis Time..: 16:25			
Aluminum	105	(83 - 117)	SW846 6010A	06/09-06/18/98	CHTJA116
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Antimony	114	(87 - 120)	SW846 6010A	06/09-06/18/98	CHTJA117
		Dilution Factor: 1			
		Analysis Time..: 14:32			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

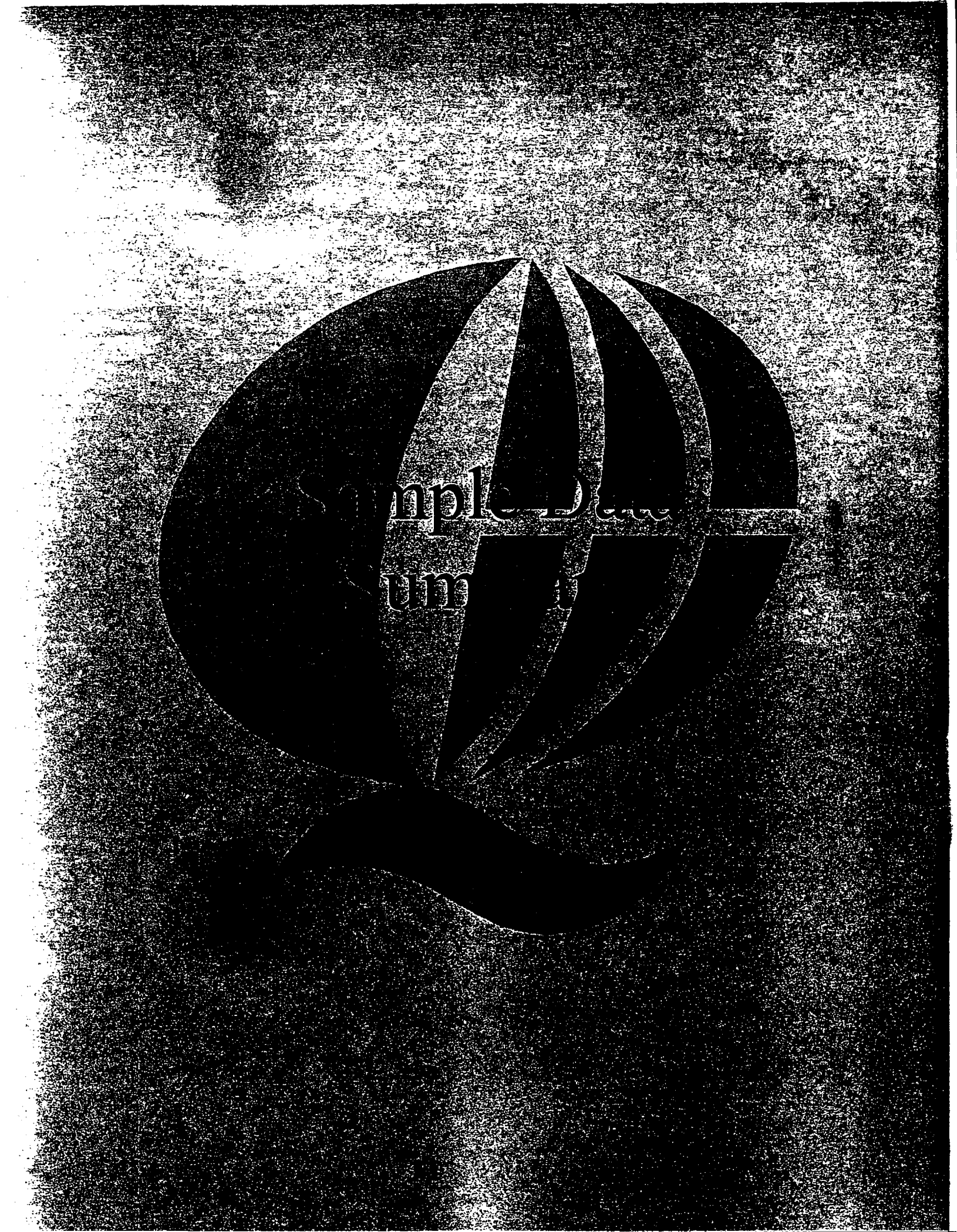
DISSOLVED Metals

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	104	(82 - 112)	SW846 6010A	06/09-06/18/98	CHTJA118
		Dilution Factor: 1			
		Analysis Time..: 14:32			
Beryllium	115	(80 - 120)	SW846 6010A	06/09-06/18/98	CHTJA119
		Dilution Factor: 1			
		Analysis Time..: 14:32			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 5795

General Chemistry

Lot-Sample #...: H8E280186-001 Work Order #...: CHHL1 Matrix.....: WATER
Date Sampled...: 05/27/98 Date Received..: 05/28/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	ND	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	6	1	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1					
Hardness, as CaCO3	490	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 100					
Sulfate	330	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	590	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	3	1	mg/L	SW846 9060	06/14/98	8169169
	Dilution Factor: 1					
Total Suspended Solids	120	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 3.2 - 3.3

IT CORPORATION - KNOXVILLE

Client Sample ID: 5445

General Chemistry

Lot-Sample #...: H8E290237-001 Work Order #...: CHK1E Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	ND	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	3800	100	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 100					
Hardness, as CaCO3	2100	20	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 1					
Sulfate	64	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	7200	40	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 4					
Total Organic Carbon	7	5	mg/L	SW846 9060	06/14/98	8169169
	Dilution Factor: 5					
Total Suspended Solids	29	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

IT CORPORATION - KNOXVILLE

Client Sample ID: 5555

General Chemistry

Lot-Sample #...: H8E290237-002 Work Order #...: CHK1F Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	680	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	11	1	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1					
Hardness, as CaCO3	570	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 1					
Sulfate	61	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	6	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	15	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 5.6 - 5.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5565

General Chemistry

Lot-Sample #...: H8E290237-004 Work Order #...: CHK1J Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	290	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	3	1	mg/L	MCAWW 325.2	06/02/98	8154154
	Dilution Factor: 1					
Hardness, as CaCO3	380	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 1					
Sulfate	ND	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	410	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	3	1	mg/L	SW846 9060	06/14-06/15/98	8169169
	Dilution Factor: 1					
Total Suspended Solids	13	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.7 - 2.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5915

General Chemistry

Lot-Sample #...: H8E290237-005 Work Order #...: CHK24 Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	500	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	2200	100	mg/L	MCAWW 325.2	06/15/98	8166318
	Dilution Factor: 100					
Hardness, as CaCO3	1800	20	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 1					
Sulfate	82	20	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 4					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	3800	20	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 2					
Total Organic Carbon	13	5	mg/L	SW846 9060	06/14-06/15/98	8169169
	Dilution Factor: 5					
Total Suspended Solids	13	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 13.1 - 13.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5965

General Chemistry

Lot-Sample #...: H8E290237-006 Work Order #...: CHK3E Matrix.....: WATER
Date Sampled...: 05/28/98 Date Received..: 05/29/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	260	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
	Dilution Factor: 1					
Chloride - Automated	21000	500	mg/L	MCAWW 325.2	06/15/98	8166318
	Dilution Factor: 500					
Hardness, as CaCO3	10000	100	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 50					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
	Dilution Factor: 1					
Sulfate	ND	5	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	24000	100	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 10					
Total Organic Carbon	ND	1	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 1					
Total Suspended Solids	90	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: .85 - 0.98

IT CORPORATION - KNOXVILLE

Client Sample ID: 5615

General Chemistry

Lot-Sample #...: H8E300151-001 Work Order #...: CHKN0 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	410	5.0	mg/L	MCAWW 310.1	06/11/98	8163145
	Dilution Factor: 1					
Chloride - Automated	100	2	mg/L	MCAWW 325.2	06/01/98	8161140
	Dilution Factor: 2					
Hardness, as CaCO3	730	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/29-05/30/98	8159303
	Dilution Factor: 100					
Sulfate	100	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	760	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	2	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.2 - 2.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5625

General Chemistry

Lot-Sample #...: H8E300151-003 Work Order #...: CHKN2 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	460	5.0	mg/L	MCAWW 310.1	06/11/98	8163145
	Dilution Factor: 1					
Chloride - Automated	180	2	mg/L	MCAWW 325.2	06/01/98	8161140
	Dilution Factor: 2					
Hardness, as CaCO3	680	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	05/29-05/30/98	8159303
	Dilution Factor: 1					
Sulfate	93	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.5 - 2.9

IT CORPORATION - KNOXVILLE

Client Sample ID: 5835

General Chemistry

Lot-Sample #...: H8E300151-004 **Work Order #...:** CHKN3 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	10	mg/L	SW846 9060	06/16-06/17/98	8169170

Dilution Factor: 10

NOTE(S):

RL Reporting Limit

TOC range: 3.8 - 4.7

IT CORPORATION - KNOXVILLE

Client Sample ID: 5895

General Chemistry

Lot-Sample #...: H8E300151-005 **Work Order #...:** CHKN4 **Matrix.....:** WATER
Date Sampled...: 05/29/98 **Date Received..:** 05/30/98

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	06/11/98	8163145
	Dilution Factor: 1					
Chloride - Automated	ND	1000	mg/L	MCAWW 325.2	06/01/98	8161140
	Dilution Factor: 1000					
Hardness, as CaCO3	450	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/29-05/30/98	8159303
	Dilution Factor: 100					
Sulfate	5	5	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	510	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 1					
Total Organic Carbon	2	1	mg/L	SW846 9060	06/14-06/15/98	8169169
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.4 - 2.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5935

General Chemistry

Lot-Sample #...: H8E300151-006 Work Order #...: CHKN5 Matrix.....: WATER
Date Sampled...: 05/29/98 Date Received..: 05/30/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	930	5.0	mg/L	MCAWW 310.1	06/11/98	8163145
	Dilution Factor: 1					
Chloride - Automated	1600	1000	mg/L	MCAWW 325.2	06/01/98	8161140
	Dilution Factor: 1000					
Hardness, as CaCO3	1300	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	10	mg/L	MCAWW 353.2	05/29-05/30/98	8159303
	Dilution Factor: 100					
Sulfate	80	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
	Dilution Factor: 1					
Total Dissolved Solids	2900	20	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
	Dilution Factor: 2					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.7 - 3.1

IT CORPORATION - KNOXVILLE

Client Sample ID: 5805

General Chemistry

Lot-Sample #...: H8F020185-001 Work Order #...: CHMK2 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

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	06/11/98	8163147
	Dilution Factor: 1					
Chloride - Automated	5	1	mg/L	MCAWW 325.2	06/15/98	8166318
	Dilution Factor: 1					
Hardness, as CaCO3	640	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	06/03/98	8159304
	Dilution Factor: 1					
Sulfate	120	50	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 10					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/13/98	8164125
	Dilution Factor: 1					
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1	06/05-06/08/98	8160241
	Dilution Factor: 1					
Total Organic Carbon	3	2	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 2					
Total Suspended Solids	10	4.0	mg/L	MCAWW 160.2	06/05-06/08/98	8160236
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 2.9 - 3.3

IT CORPORATION - KNOXVILLE

Client Sample ID: 5925

General Chemistry

Lot-Sample #...: H8F020185-002 Work Order #...: CHMK3 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	1700	5.0	mg/L	MCAWW 310.1	06/11/98	8163147
	Dilution Factor: 1					
Chloride - Automated	140	2	mg/L	MCAWW 325.2	06/15/98	8166318
	Dilution Factor: 2					
Hardness, as CaCO3	2000	20	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 10					
Nitrate	ND	0.1	mg/L	MCAWW 353.2	06/03/98	8159304
	Dilution Factor: 1					
Sulfate	37	5	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 1					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/13/98	8164125
	Dilution Factor: 1					
Total Dissolved Solids	4000	20	mg/L	MCAWW 160.1	06/05-06/08/98	8160241
	Dilution Factor: 2					
Total Organic Carbon	14	5	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 5					
Total Suspended Solids	330	8.0	mg/L	MCAWW 160.2	06/05-06/08/98	8160236
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

TOC range: 13.3 - 14.5

IT CORPORATION - KNOXVILLE

Client Sample ID: 5975

General Chemistry

Lot-Sample #...: H8F020185-003 Work Order #...: CHMK4 Matrix.....: WATER
Date Sampled...: 06/01/98 Date Received..: 06/02/98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH 4.5	67	5.0	mg/L	MCAWW 310.1	06/11/98	8163147
	Dilution Factor: 1					
Chloride - Automated	15	1	mg/L	MCAWW 325.2	06/15/98	8166318
	Dilution Factor: 1					
Hardness, as CaCO3	180	10	mg/L	MCAWW 130.2	06/09/98	8163140
	Dilution Factor: 5					
Nitrate	0.3	0.1	mg/L	MCAWW 353.2	06/03/98	8159304
	Dilution Factor: 1					
Sulfate	22	10	mg/L	MCAWW 375.4	06/04/98	8156279
	Dilution Factor: 2					
Total Cyanide	ND	0.010	mg/L	SW846 9010A	06/13/98	8164125
	Dilution Factor: 1					
Total Dissolved Solids	110	10	mg/L	MCAWW 160.1	06/05-06/08/98	8160241
	Dilution Factor: 1					
Total Organic Carbon	5	1	mg/L	SW846 9060	06/16-06/17/98	8169170
	Dilution Factor: 1					
Total Suspended Solids	230	4.0	mg/L	MCAWW 160.2	06/05-06/08/98	8160236
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

TOC range: 4.8 - 4.9

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: CHVEC101		MB Lot-Sample #:	B8F090000-273	
	ND	5.0	mg/L	MCAWW 310.1	06/09/98	8160273
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CHXVJ101		MB Lot-Sample #:	B8F120000-145	
	ND	5.0	mg/L	MCAWW 310.1	06/11/98	8163145
		Dilution Factor: 1				
Alkalinity as CaCO3 to pH		Work Order #: CHXVL101		MB Lot-Sample #:	B8F120000-147	
	ND	5.0	mg/L	MCAWW 310.1	06/11/98	8163147
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHVN1101		MB Lot-Sample #:	B8F100000-140	
	ND	1	mg/L	MCAWW 325.2	06/01/98	8161140
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CHMNF101		MB Lot-Sample #:	B8F030000-154	
	ND	1	mg/L	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1				
Chloride - Automated		Work Order #: CJ24L101		MB Lot-Sample #:	B8F150000-318	
	ND	1	mg/L	MCAWW 325.2	06/15/98	8166318
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: CHXVC101		MB Lot-Sample #:	B8F120000-140	
	ND	2	mg/L	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1				
Nitrate		Work Order #: CHTLT101		MB Lot-Sample #:	B8F080000-302	
	ND	0.1	mg/L	MCAWW 353.2	05/29/98	8159302
		Dilution Factor: 1				
Nitrate		Work Order #: CHTLV101		MB Lot-Sample #:	B8F080000-303	
	ND	0.1	mg/L	MCAWW 353.2	05/29-05/30/98	8159303
		Dilution Factor: 1				
Nitrate		Work Order #: CHTLW101		MB Lot-Sample #:	B8F080000-304	
	ND	0.1	mg/L	MCAWW 353.2	06/03/98	8159304
		Dilution Factor: 1				
Sulfate		Work Order #: CHR7W101		MB Lot-Sample #:	B8F050000-279	
	ND	5	mg/L	MCAWW 375.4	06/04/98	8156279
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: CHT5A101		MB Lot-Sample #:	B8F080000-152	
	ND	0.010	mg/L	SW846 9010A	06/05/98	8159152
		Dilution Factor: 1				
Total Cyanide		Work Order #: CJ174101		MB Lot-Sample #:	B8F130000-125	
	ND	0.010	mg/L	SW846 9010A	06/13/98	8164125
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHVCP101		MB Lot-Sample #:	B8F090000-252	
	ND	10	mg/L	MCAWW 160.1	06/01-06/02/98	8160252
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: CHVAT101		MB Lot-Sample #:	B8F090000-241	
	ND	10	mg/L	MCAWW 160.1	06/05-06/08/98	8160241
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CJ4DR101		MB Lot-Sample #:	B8F180000-169	
	ND	1	mg/L	SW846 9060	06/14/98	8169169
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: CJ4DV101		MB Lot-Sample #:	B8F180000-170	
	ND	1	mg/L	SW846 9060	06/16/98	8169170
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHVCV101		MB Lot-Sample #:	B8F090000-255	
	ND	4.0	mg/L	MCAWW 160.2	06/01-06/02/98	8160255
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: CHVAM101		MB Lot-Sample #:	B8F090000-236	
	ND	4.0	mg/L	MCAWW 160.2	06/05-06/08/98	8160236
		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 #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/03/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		WO#: CHJ6H104-MS/CHJ6H105-MSD				MS Lot-Sample #: B8E290146-003	
	98	(90 - 110)			MCAWW 310.1	06/09/98	8160273
	98	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/09/98	8160273
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#: CHK1J132-MS/CHK1J133-MSD				MS Lot-Sample #: H8E290237-004	
	107	(90 - 110)			MCAWW 310.1	06/09/98	8160273
	107	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/09/98	8160273
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#: CHMK212W-MS/CHMK212X-MSD				MS Lot-Sample #: H8F020185-001	
	95	(90 - 110)			MCAWW 310.1	06/11/98	8163147
	95	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/11/98	8163147
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH		WO#: CHNRN10F-MS/CHNRN10G-MSD				MS Lot-Sample #: B8F030198-003	
	97	(90 - 110)			MCAWW 310.1	06/11/98	8163145
	97	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/11/98	8163145
		Dilution Factor: 1					
Chloride - Automated		WO#: CHKN0117-MS/CHKN0118-MSD				MS Lot-Sample #: H8E300151-001	
	156 N,MSB	(90 - 114)			MCAWW 325.2	06/01/98	8161140
	134 N,MSB	(90 - 114)	1.9	(0-12)	MCAWW 325.2	06/01/98	8161140
		Dilution Factor: 1					
Chloride - Automated		WO#: CHK1J13C-MS/CHK1J13D-MSD				MS Lot-Sample #: H8E290237-004	
	100	(90 - 114)			MCAWW 325.2	06/02/98	8154154
	87 N,MSC	(90 - 114)	9.8	(0-12)	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1					
Chloride - Automated		WO#: CHMK2137-MS/CHMK2138-MSD				MS Lot-Sample #: H8F020185-001	
	95	(90 - 114)			MCAWW 325.2	06/15/98	8166318
	98	(90 - 114)	1.9	(0-12)	MCAWW 325.2	06/15/98	8166318
		Dilution Factor: 1					
Hardness, as CaCO3		WO#: CHK1J12Q-MS/CHK1J12R-MSD				MS Lot-Sample #: H8E290237-004	
	100	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	102	(90 - 110)	1.1	(0-20)	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1					
Hardness, as CaCO3		WO#: CHMK212Q-MS/CHMK212R-MSD				MS Lot-Sample #: H8F020185-001	
	102	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	102	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/03/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:	CHKN2117-MS/CHKN2118-MSD			MS Lot-Sample #:	H8E300151-003
	58 N,MSC	(90 - 110)			MCAWW 353.2	05/29-05/30/98	8159303
	56 N,MSC	(90 - 110)	2.0	(0-10)	MCAWW 353.2	05/29-05/30/98	8159303
		Dilution Factor: 1					
Nitrate		WO#:	CHK1J13F-MS/CHK1J13G-MSD			MS Lot-Sample #:	H8E290237-004
	59 N,MSC	(90 - 110)			MCAWW 353.2	05/29/98	8159302
	58 N,MSC	(90 - 110)	3.0	(0-10)	MCAWW 353.2	05/29/98	8159302
		Dilution Factor: 1					
Nitrate		WO#:	CHMK213A-MS/CHMK213C-MSD			MS Lot-Sample #:	H8F020185-001
	94	(90 - 110)			MCAWW 353.2	06/03/98	8159304
	90	(90 - 110)	4.0	(0-10)	MCAWW 353.2	06/03/98	8159304
		Dilution Factor: 1					
Sulfate		WO#:	CHK1J135-MS/CHK1J136-MSD			MS Lot-Sample #:	H8E290237-004
	33 N,MSB	(80 - 120)			MCAWW 375.4	06/04/98	8156279
	66 N,MSB	(80 - 120)	6.7	(0-20)	MCAWW 375.4	06/04/98	8156279
		Dilution Factor: 1					
Sulfate		WO#:	CHMK2131-MS/CHMK2132-MSD			MS Lot-Sample #:	H8F020185-001
	0.0 N,MSB	(80 - 120)			MCAWW 375.4	06/04/98	8156279
	0.0 N,MSB	(80 - 120)	0.0	(0-20)	MCAWW 375.4	06/04/98	8156279
		Dilution Factor: 1					
Total Cyanide		WO#:	CHK1J13K-MS/CHK1J13L-MSD			MS Lot-Sample #:	H8E290237-004
	74	(56 - 128)			SW846 9010A	06/05/98	8159152
	82	(56 - 128)	10	(0-18)	SW846 9010A	06/05/98	8159152
		Dilution Factor: 1					
Total Cyanide		WO#:	CHMK213F-MS/CHMK213G-MSD			MS Lot-Sample #:	H8F020185-001
	78	(56 - 128)			SW846 9010A	06/13/98	8164125
	88	(56 - 128)	12	(0-18)	SW846 9010A	06/13/98	8164125
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CHK1J138-MS/CHK1J139-MSD			MS Lot-Sample #:	H8E290237-004
	91	(90 - 112)			SW846 9060	06/14-06/15/98	8169169
	91	(90 - 112)	0.17	(0-20)	SW846 9060	06/14-06/15/98	8169169
		Dilution Factor: 1					
Total Organic Carbon		WO#:	CHMK2134-MS/CHMK2135-MSD			MS Lot-Sample #:	H8F020185-001
	91	(90 - 112)			SW846 9060	06/16-06/17/98	8169170
	92	(90 - 112)	0.57	(0-20)	SW846 9060	06/16-06/17/98	8169170
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: PB026 **Matrix.....:** WATER
Date Sampled...: 06/01/98 **Date Received..:** 06/03/98

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.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E280186 **Work Order #...:** CHKN5-SMP CHKN5-DUP **Matrix.....:** WATER

Date Sampled...: 05/29/98 **Date Received..:** 05/30/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	H8E300151-006	
	2900	2900	mg/L	1.2	(0-20)	MCAWW 160.1	06/01-06/02/98	8160252
		Dilution Factor: 2						
Total Suspended Solids						SD Lot-Sample #:	H8E300151-006	
	4.0	ND	mg/L	29	(0-20)	MCAWW 160.2	06/01-06/02/98	8160255
		Dilution Factor: 1						

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E280186 **Work Order #...:** CHN3F-SMP CHN3F-DUP **Matrix.....:** WATER

Date Sampled...: 06/02/98 **Date Received..:** 06/03/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: B8F030133-005		
	15	16	mg/L	6.2	(0-20)	MCAWW 160.2	06/05-06/08/98	8160236

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E280186 **Work Order #...:** CHP5K-SMP CHP5K-DUP **Matrix.....:** WATER

Date Sampled...: 06/03/98 **Date Received..:** 06/04/98

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	B8F040111-001	
	490	480	mg/L	2.3	(0-20)	MCAWW 160.1	06/05-06/08/98	8160241

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH WO#:CHVEC102-LCS/CHVEC103-LCSD LCS Lot-Sample#: B8F090000-273							
	99	(90 - 110)			MCAWW 310.1	06/09/98	8160273
	99	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/09/98	8160273
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH WO#:CHXVJ102-LCS/CHXVJ103-LCSD LCS Lot-Sample#: B8F120000-145							
	99	(90 - 110)			MCAWW 310.1	06/11/98	8163145
	101	(90 - 110)	2.0	(0-20)	MCAWW 310.1	06/11/98	8163145
		Dilution Factor: 1					
Alkalinity as CaCO3 to pH WO#:CHXVL102-LCS/CHXVL103-LCSD LCS Lot-Sample#: B8F120000-147							
	101	(90 - 110)			MCAWW 310.1	06/11/98	8163147
	101	(90 - 110)	0.0	(0-20)	MCAWW 310.1	06/11/98	8163147
		Dilution Factor: 1					
Chloride - Automated WO#:CHMNF102-LCS/CHMNF103-LCSD LCS Lot-Sample#: B8F030000-154							
	110	(90 - 115)			MCAWW 325.2	06/02/98	8154154
	111	(90 - 115)	0.81	(0-20)	MCAWW 325.2	06/02/98	8154154
		Dilution Factor: 1					
Chloride - Automated WO#:CHVN1102-LCS/CHVN1103-LCSD LCS Lot-Sample#: B8F100000-140							
	109	(90 - 115)			MCAWW 325.2	06/01/98	8161140
	110	(90 - 115)	1.5	(0-20)	MCAWW 325.2	06/01/98	8161140
		Dilution Factor: 1					
Hardness, as CaCO3 WO#:CHXVC102-LCS/CHXVC103-LCSD LCS Lot-Sample#: B8F120000-140							
	100	(90 - 110)			MCAWW 130.2	06/09/98	8163140
	100	(90 - 110)	0.0	(0-20)	MCAWW 130.2	06/09/98	8163140
		Dilution Factor: 1					
Nitrate WO#:CHTLT102-LCS/CHTLT103-LCSD LCS Lot-Sample#: B8F080000-302							
	93	(90 - 110)			MCAWW 353.2	05/29/98	8159302
	92	(90 - 110)	1.1	(0-20)	MCAWW 353.2	05/29/98	8159302
		Dilution Factor: 1					
Nitrate WO#:CHTLV102-LCS/CHTLV103-LCSD LCS Lot-Sample#: B8F080000-303							
	110	(90 - 110)			MCAWW 353.2	05/29-05/30/98	8159303
	108	(90 - 110)	1.8	(0-20)	MCAWW 353.2	05/29-05/30/98	8159303
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:CHTLW102-LCS/CHTLW103-LCSD				LCS Lot-Sample#: B8F080000-304	
	91	(90 - 110)			MCAWW 353.2	06/03/98	8159304
	90	(90 - 110)	1.9	(0-20)	MCAWW 353.2	06/03/98	8159304
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHVAT102-LCS/CHVAT103-LCSD				LCS Lot-Sample#: B8F090000-241	
	100	(84 - 114)			MCAWW 160.1	06/05-06/08/98	8160241
	99	(84 - 114)	1.2	(0-20)	MCAWW 160.1	06/05-06/08/98	8160241
		Dilution Factor: 1					
Total Dissolved Solids		WO#:CHVCP102-LCS/CHVCP103-LCSD				LCS Lot-Sample#: B8F090000-252	
	100	(84 - 114)			MCAWW 160.1	06/01-06/02/98	8160252
	97	(84 - 114)	3.2	(0-20)	MCAWW 160.1	06/01-06/02/98	8160252
		Dilution Factor: 1					
Total Organic Carbon		WO#:CJ4DR102-LCS/CJ4DR103-LCSD				LCS Lot-Sample#: B8F180000-169	
	94	(90 - 112)			SW846 9060	06/14/98	8169169
	96	(90 - 112)	2.0	(0-20)	SW846 9060	06/14/98	8169169
		Dilution Factor: 1					
Total Organic Carbon		WO#:CJ4DV102-LCS/CJ4DV103-LCSD				LCS Lot-Sample#: B8F180000-170	
	94	(90 - 112)			SW846 9060	06/16-06/17/98	8169170
	93	(90 - 112)	0.79	(0-20)	SW846 9060	06/16-06/17/98	8169170
		Dilution Factor: 1					
Total Suspended Solids		WO#:CHVAM102-LCS/CHVAM103-LCSD				LCS Lot-Sample#: B8F090000-236	
	99	(76 - 121)			MCAWW 160.2	06/05-06/08/98	8160236
	95	(76 - 121)	3.9	(0-20)	MCAWW 160.2	06/05-06/08/98	8160236
		Dilution Factor: 1					
Total Suspended Solids		WO#:CHVCV102-LCS/CHVCV103-LCSD				LCS Lot-Sample#: B8F090000-255	
	99	(76 - 121)			MCAWW 160.2	06/01-06/02/98	8160255
	97	(76 - 121)	1.3	(0-20)	MCAWW 160.2	06/01-06/02/98	8160255
		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 #...: PB026 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: CJ24L102		LCS Lot-Sample#: B8F150000-318	
	97	(90 - 115)	MCAWW 325.2	06/15/98	8166318
		Dilution Factor: 1			
Sulfate		Work Order #: CHR7W102		LCS Lot-Sample#: B8F050000-279	
	93	(90 - 110)	MCAWW 375.4	06/04/98	8156279
		Dilution Factor: 1			
Total Cyanide		Work Order #: CHT5A102		LCS Lot-Sample#: B8F080000-152	
	76	(65 - 119)	SW846 9010A	06/05/98	8159152
		Dilution Factor: 1			
Total Cyanide		Work Order #: CJ174102		LCS Lot-Sample#: B8F130000-125	
	92	(65 - 119)	SW846 9010A	06/13/98	8164125
		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# PB026

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	DISS	TOTAL	ALK	TOC	NO3	SO4	CL	HARD	CN	TSS	TDS	EXP
				8260A	8270B	8081	6010A	6010A	310.1	9060	353.2	375.3	325.3	130.2	9010A	160.2	160.1	8330
1	5/28/98	H8E280186	5795	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
2			5815R	X														
3			9020	X														
4	5/29/98	H8E290237	5445	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
5			5555	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
6			5556	X	X	X	X	X										X
7			5565	QC	QC	QC	QC	QC	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC
8			5915	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
9			5965	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
10			9021	X														
11	5/30/98	H8E300151	5615	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
12			5616	X	X	X	X	X										X
13			5625	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
14			5835	X	X	X	X	X		T								X
15			5895	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
16			5935	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
17			9023	X														
18	6/2/98	H8F020185	5805	QC	QC	QC	QC	QC	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC/T	QC
19			5925	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
20			5975	X	X	X	X	X	T	T	T	T	T	T	T	T	T	X
21			9025	X	X	X		X										X

A = ARVADA
T = QES TAMPA
WS = QES WEST SACRAMENTO

MATRIX: WATER
ANALYTICAL DUE: 6-19-98
REPORT DUE: 6-23-98
CLOSED?__YES__

7/10/983:26 PM

QUANTERRA KNOXVILLE LABORATORY

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E280186

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: Bryan Blomquist DATE: 5/28/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under _____			
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified? ___ ___ ___

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action

☐ Client informed on _____ by _____. Person contacted: _____.

☐ Noted actions in comments section above.

☐ No action necessary; process as is.

Project Manager: _____ Date: _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other: _____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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: _____
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: FT PROJECT: Plumbrook Lot No.: H8E280186

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?		✓	
c. If samples were subcontracted, was copy of COC in folder?		✓	
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?		✓	
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?		✓	
c. Were all issues resolved?			✓

LOT FOLDER REVIEWED BY: KTHW DATE: 6/4/98

QA016R7.doc, 01/29/98

Quote # 20941

H8E280186

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052798QESK

Project Number: 773206

Samples Shipment Date: 27-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849943

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 [X]

Sample Disposal:

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

1. Relinquished By (Signature/Affiliation)	Date: 5/27/98 Time: 1600	1. Received By (Signature/Affiliation)	Date: 5-28-98 Time: 09:00
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: 1L TOTAL METALS; 1L FILTERED METALS

Custody seals intact
received at 2°C
BKJ 5-28-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5795	PBOW-98-GW-MKMW17-5795	27-MAY-98	10:50	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		pH<2 pH<2
5795	PBOW-98-GW-MKMW17-5795	27-MAY-98	10:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		
5795	PBOW-98-GW-MKMW17-5795	27-MAY-98	10:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5795	PBOW-98-GW-MKMW17-5795	27-MAY-98	10:50	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5795	PBOW-98-GW-MKMW17-5795	27-MAY-98	10:50	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5815R	PBOW-98-GW-MKMW20-5815	27-MAY-98	12:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
9020		27-MAY-98	12:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98

ATTN:

LAB PURCHASE ORDER: SR011095

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0003

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E280186-001 CHHL1-1-0W	5/27/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E280186-001 CHHL1-1-0X	5/27/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E280186-001 CHHL1-1-10	5/27/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E280186-001 CHHL1-1-11	5/27/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E280186-001 CHHL1-1-12	5/27/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E280186-001 CHHL1-1-13	5/27/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E280186-001 CHHL1-1-14	5/27/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E280186-001 CHHL1-1-15	5/27/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E280186-001 CHHL1-1-16	5/27/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 5/28/98

SEND REPORT TO: JOHN REYNOLDS

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

QUANTERRA - KNOXVILLE
INT: _____ 5/28/98 19:06:23
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

RELINQUISHED BY: _____ DATE/TIME: _____

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E290237

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?		✓	
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/29/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 20941			
b. Informed Login associates of special instructions ?			✓
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : KT DATE: 5/29/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5/29/98 ~~56~~ 5965	VOA, GNA, PCB, EXP, metal(T+D)	2 ~~2~~ 29	*Process as received.
5915	Total Metals	4d	Preserved to pH<2 w/HNO3

☐ Client informed on _____ by _____. Person contacted: _____.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: KT for JR Date: 6/1/98

* ack. letter delivered 6/4/98.
KT

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other: _____
Temperature:	2a Temp Blank = 7°C
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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=6
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: JT PROJECT: Plumbrook Lot No.: H8E290237

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?	✓		
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?		✓	
c. If samples were subcontracted, was copy of COC in folder?		✓	
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?		✓	
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?		✓	

LOT FOLDER REVIEWED BY: KD DATE: 6/4/98

Quote# 20941

H8E290237

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052898QESK

Project Number: 773206

Samples Shipment Date: 28-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849954

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) Date: 5/28/98 Time: 1600	1. Received By (Signature/Affiliation) Date: 5/29/98 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: 1L TOTAL METALS; 1L FILTERED METALS

Rec'd @ 2+7 °C
w/ custody Seals
Intact BPB 5/29/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5445	PBOW-98-GW-MNTA-BEDGW-001-54	28-MAY-98	13:20	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water ✓	N		pH<2 pH<2
5445	PBOW-98-GW-MNTA-BEDGW-001-54	28-MAY-98	13:20	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil ✓	N		
5445	PBOW-98-GW-MNTA-BEDGW-001-54	28-MAY-98	13:20	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A ✓	N		
5445	PBOW-98-GW-MNTA-BEDGW-001-54	28-MAY-98	13:20	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081 ✓	N		
5445	PBOW-98-GW-MNTA-BEDGW-001-54	28-MAY-98	13:20	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil ✓	N		
5555	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L HDPE	2	HNO3 PH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5555	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

H8E 290237

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5555	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5555	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5555	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5556	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5556	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L HDPE	2	HNO3 PH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5556	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5556	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5556	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5565	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L HDPE	2	NONE EXCEPT COOL TO	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5565	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5565	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5565	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5565	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5565MS	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L HDPE	2	NONE EXCEPT COOL TO	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5565MS	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5565MS	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5565MS	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5565MS	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5565MSD	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L HDPE	2	NONE EXCEPT COOL TO	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5565MSD	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5565MSD	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5565MSD	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5565MSD	PBOW-98-WELLS--IT-MW06-5565	28-MAY-98	09:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5915	PBOW-98-GW-BEDMW15-5915	28-MAY-98	07:50	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5915	PBOW-98-GW-BEDMW15-5915	28-MAY-98	07:50	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5915	PBOW-98-GW-BEDMW15-5915	28-MAY-98	07:50	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5915	PBOW-98-GW-BEDMW15-5915	28-MAY-98	07:50	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total = pH=6 Diss. = pH<2
5915	PBOW-98-GW-BEDMW15-5915	28-MAY-98	07:50	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW8081	N		
5965	PBOW-98-GW-BEDMW20-5965	28-MAY-98	10:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N	7°C	pH<2 pH<2
5965	PBOW-98-GW-BEDMW20-5965	28-MAY-98	10:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5965	PBOW-98-GW-BEDMW20-5965	28-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		

H8E290237

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5965	PBOW-98-GW-BEDMW20-5965	28-MAY-98	10:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N	7°C	
5965	PBOW-98-GW-BEDMW20-5965	28-MAY-98	10:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N	↓	
9021		28-MAY-98	11:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-001 CHK1E-1-0W	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-001 CHK1E-1-0X	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-001 CHK1E-1-10	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-001 CHK1E-1-11	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-001 CHK1E-1-12	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-001 CHK1E-1-13	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-001 CHK1E-1-14	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-001 CHK1E-1-15	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-001 CHK1E-1-16	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-002 CHK1F-1-0W	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-002 CHK1F-1-0X	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-002 CHK1F-1-10	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-002 CHK1F-1-11	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-002 CHK1F-1-12	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-002 CHK1F-1-13	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-002 CHK1F-1-14	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-002 CHK1F-1-15	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-002 CHK1F-1-16	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-004 CHK1J-1-2P	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-004 CHK1J-1-2T	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-004 CHK1J-1-2W	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-004 CHK1J-1-31	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-004 CHK1J-1-34	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-004 CHK1J-1-37	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-004 CHK1J-1-3A	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-004 CHK1J-1-3E	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-004 CHK1J-1-3H	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-004-D CHK1J-1-2R	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-004-D CHK1J-1-2V	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-004-D CHK1J-1-30	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-004-D CHK1J-1-33	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-004-D CHK1J-1-36	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-004-D CHK1J-1-39	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-004-D CHK1J-1-3D	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-004-D CHK1J-1-3G	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-004-D CHK1J-1-3K	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-004-S CHK1J-1-2Q	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-004-S CHK1J-1-2U	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-004-S CHK1J-1-2X	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-004-S CHK1J-1-32	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-004-S CHK1J-1-35	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-004-S CHK1J-1-38	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-004-S CHK1J-1-3C	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-004-S CHK1J-1-3F	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-004-S CHK1J-1-3J	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-005 CHK24-1-0W	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-005 CHK24-1-0X	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-005 CHK24-1-10	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-005 CHK24-1-11	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-005 CHK24-1-12	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-005 CHK24-1-13	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E290237-005 CHK24-1-14	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-005 CHK24-1-15	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-005 CHK24-1-16	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E290237-006 CHK3E-1-0W	5/28/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E290237-006 CHK3E-1-0X	5/28/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E290237-006 CHK3E-1-10	5/28/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E290237-006 CHK3E-1-11	5/28/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E290237-006 CHK3E-1-12	5/28/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E290237-006 CHK3E-1-13	5/28/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011127

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E290237-006 CHK3E-1-14	5/28/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E290237-006 CHK3E-1-15	5/28/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E290237-006 CHK3E-1-16	5/28/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 5/29/98

SEND REPORT TO: JOHN REYNOLDS

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

QUANTERRA - KNOXVILLE
INT: _____ 5/29/98 20:44:50
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

RELINQUISHED BY: _____ DATE/TIME: _____

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E300151

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?		✓	
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [signature] DATE: 5/30/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under _____			
b. Informed Login associates of special instructions?			
2. If custody seals were missing/not intact, was client notified?			

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
5835	Total metals	4d	pH=7, Preserved to pH<2
5935	Total + Diss. Metals	4d	T=pH6, D=pH7, Preserved to pH<2
5835	PCB, 8330, Diss Metals	4e	

☒ Client informed on 6/4/98 by KTherm Person contacted: _____.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: _____ Date: _____

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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:_____
	4e Other: only rec'd ~ 500 mls of each
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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: Plumbrook Lot No.: H8E300151

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?		✓	
c. If samples were subcontracted, was copy of COC in folder?		✓	
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?			✓
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?		✓	

LOT FOLDER REVIEWED BY: K Shum DATE: 6/4/98

Quote # 20941

148E 300151

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052998QESK

Project Number: 773206

Samples Shipment Date: 29-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849965

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)	Date: 5/29/98 Time: 1600	1. Received By (Signature/Affiliation)	Date: 5/30/98 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: 1L TOTAL METALS; 1L FILTERED METALS

Rec'd @ 2°C
w/custody seals
Intact BPB 5/30/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5615	PBOW-98-GW-TNTAMW10-5615	29-MAY-98	09:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5615	PBOW-98-GW-TNTAMW10-5615	29-MAY-98	09:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5615	PBOW-98-GW-TNTAMW10-5615	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5615	PBOW-98-GW-TNTAMW10-5615	29-MAY-98	09:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5615	PBOW-98-GW-TNTAMW10-5615	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5616	PBOW-98-GW-TNTAMW10-5616	29-MAY-98	09:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5616	PBOW-98-GW-TNTAMW10-5616	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8E300151

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5616	PBOW-98-GW-TNTAMW10-5616	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5616	PBOW-98-GW-TNTAMW10-5616	29-MAY-98	09:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5616	PBOW-98-GW-TNTAMW10-5616	29-MAY-98	09:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5625	PBOW-98-GW-TNTAMW11-5625	29-MAY-98	13:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5625	PBOW-98-GW-TNTAMW11-5625	29-MAY-98	13:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5625	PBOW-98-GW-TNTAMW11-5625	29-MAY-98	13:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5625	PBOW-98-GW-TNTAMW11-5625	29-MAY-98	13:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5625	PBOW-98-GW-TNTAMW11-5625	29-MAY-98	13:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5835	PBOW-98-GW-MKMW23-5835	29-MAY-98	10:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total = pH 7 DISS = pH<2
5835	PBOW-98-GW-MKMW23-5835	29-MAY-98	10:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		Rec'd w/ samples
5835	PBOW-98-GW-MKMW23-5835	29-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5835	PBOW-98-GW-MKMW23-5835	29-MAY-98	10:00	1 L Amb. Glass	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5835	PBOW-98-GW-MKMW23-5835	29-MAY-98	10:00	1 L Amb. Glass	1	None except cool to 4 C	PCBs by SW8081	N		Rec'd w/ samples
5895	PBOW-98-GW-BEDMW13-5895	29-MAY-98	09:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2 pH<2
5895	PBOW-98-GW-BEDMW13-5895	29-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5895	PBOW-98-GW-BEDMW13-5895	29-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5895	PBOW-98-GW-BEDMW13-5895	29-MAY-98	09:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5895	PBOW-98-GW-BEDMW13-5895	29-MAY-98	09:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5935	PBOW-98-GW-BEDMW17-5935	29-MAY-98	13:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		Total = pH 6 DISS = pH 7
5935	PBOW-98-GW-BEDMW17-5935	29-MAY-98	13:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5935	PBOW-98-GW-BEDMW17-5935	29-MAY-98	13:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5935	PBOW-98-GW-BEDMW17-5935	29-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5935	PBOW-98-GW-BEDMW17-5935	29-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9023		29-MAY-98	11:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98

ATTN:

LAB PURCHASE ORDER: SR011142

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E300151-001 CHKN0-1-0W	5/29/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E300151-001 CHKN0-1-0X	5/29/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E300151-001 CHKN0-1-10	5/29/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E300151-001 CHKN0-1-11	5/29/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E300151-001 CHKN0-1-12	5/29/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E300151-001 CHKN0-1-13	5/29/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E300151-001 CHKN0-1-14	5/29/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E300151-001 CHKN0-1-15	5/29/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E300151-001 CHKN0-1-16	5/29/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E300151-003 CHKN2-1-0W	5/29/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2

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* CONTINUED *
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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011142

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E300151-003 CHKN2-1-0X	5/29/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E300151-003 CHKN2-1-10	5/29/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E300151-003 CHKN2-1-11	5/29/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E300151-003 CHKN2-1-12	5/29/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E300151-003 CHKN2-1-13	5/29/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E300151-003 CHKN2-1-14	5/29/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E300151-003 CHKN2-1-15	5/29/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E300151-003 CHKN2-1-16	5/29/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E300151-004 CHKN3-1-0W	5/29/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E300151-004 CHKN3-1-0X	5/29/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1

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* CONTINUED *
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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011142

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E300151-004 CHKN3-1-10	5/29/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E300151-004 CHKN3-1-11	5/29/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E300151-004 CHKN3-1-12	5/29/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E300151-004 CHKN3-1-13	5/29/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E300151-004 CHKN3-1-14	5/29/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E300151-004 CHKN3-1-15	5/29/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E300151-004 CHKN3-1-16	5/29/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E300151-005 CHKN4-1-0W	5/29/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E300151-005 CHKN4-1-0X	5/29/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E300151-005 CHKN4-1-10	5/29/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2

****
* CONTINUED *
****

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011142

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E300151-005 CHKN4-1-11	5/29/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1
H8E300151-005 CHKN4-1-12	5/29/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E300151-005 CHKN4-1-13	5/29/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E300151-005 CHKN4-1-14	5/29/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E300151-005 CHKN4-1-15	5/29/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E300151-005 CHKN4-1-16	5/29/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A
H8E300151-006 CHKN5-1-0W	5/29/98	Hardness, Total (130.2, titrimetric) (HARDNESS) METHOD: 130.2
H8E300151-006 CHKN5-1-0X	5/29/98	Solids, Filterable "TDS" (160.1) (TDS) METHOD: 160.1
H8E300151-006 CHKN5-1-10	5/29/98	Solids, Total Suspended "TSS" (160.2) (TSS) METHOD: 160.2
H8E300151-006 CHKN5-1-11	5/29/98	Alkalinity, Total (310.1) (ALK-T) METHOD: 310.1

****
* CONTINUED *
****

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

NEED ANALYTICAL REPORT BY
6/18/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR011142

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E300151-006 CHKN5-1-12	5/29/98	Sulfate (Turbidimetric - 375.4) (SO4-TURB) METHOD: 375.4
H8E300151-006 CHKN5-1-13	5/29/98	Carbon, Total Organic "TOC" (9060) (TOC) METHOD: 9060
H8E300151-006 CHKN5-1-14	5/29/98	Chloride (325.2, Automated) (CL) METHOD: 325.2
H8E300151-006 CHKN5-1-15	5/29/98	Nitrate-Nitrite (353.2, Automated) (NO3) METHOD: 353.2
H8E300151-006 CHKN5-1-16	5/29/98	Cyanide, Total (9010) (CN_LIQ) METHOD: 9010A

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 5/30/98

SEND REPORT TO: JOHN REYNOLDS

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

QUANTERRA - KNOXVILLE
INT: _____ 5/30/98 19:06:04
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,BLO MQ

RELINQUISHED BY: _____ DATE/TIME: _____

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT CORP PROJECT: PLUMBROOK Lot No.: H8F020185

TO BE COMPLETED BY SAMPLE RECEIPT ASSOCIATE:

1. Sample Receipt:	YES	NO	NA
a. Do sample container labels match COC? (IDs, Dates, Times)	✓		
b. Is the cooler temperature within acceptance limits?	✓		
c. Were samples received with correct preservative (excluding Encore)?	✓		
d. Were custody seals present/intact on cooler and/or containers?	✓		
e. Were all of the samples listed on the COC received?	✓		
f. Were all of the sample containers received intact?	✓		
g. Were containers received for VOAs received without headspace?	✓		
h. Were samples received in the appropriate containers?	✓		
i. Did you check for residual chlorine, if necessary?			✓
j. Were samples received within 1/2 of the (QAMP) holding time?	✓		
k. Were samples screened for radioactivity?			✓
l. Were client's sample documents (RFA/COC) received?	✓		
m. Has the RFA/COC been relinquished? (Signed, Dated, Timed)	✓		
n. Are test/parameters listed for each sample?	✓		
o. Is the matrix of the samples noted?	✓		
p. Is the date/time of sample collection noted?	✓		
q. Is the client and project name/No. identified?	✓		

SAMPLE RECEIVING ASSOCIATE: [illegible] DATE: 6-2-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under _____			
b. Informed Login associates of special instructions?			
2. If custody seals were missing/not intact, was client notified?			

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
S975	T+D METALS	4D	RECEIVED AT PH12 / PRESERVE
			TO PH<2 AT LAB PER KIM NAMER
			6-2-98 AKD

☐ Client informed on _____ by _____. Person contacted: _____.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: _____ Date: _____

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST LEGEND

Item	Condition
Cooler:	1a Not received, COC available
	1b Leaking
	1c Other:_____
Temperature:	2a Temp Blank = _____
	2b Cooler Temp = _____
	(cooler temp should be used only if there is no temp blank)
Container:	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>12
	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): _____

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: ~~TT~~ PROJECT: Plumbrook Lot No.: H8F02085

TO BE COMPETED BY PROJECT MANAGER:

	YES	NO	NA
1. Client Documents (Request for Analysis/Chain of Custody):			
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		
2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?	✓		
3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?	✓		
b If the purchase order number is given, is it noted in Lot header?		✓	
c. If samples were subcontracted, was copy of COC in folder?		✓	
4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?	✓		
b Is SDG number noted in Lot header & sample comments?	✓		
c. If SDG is complete, has the due date been revised & marked closed?	✓		
5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	✓		
b. Was there a CUR?	✓		
c. Were all issues resolved?	✓		

LOT FOLDER REVIEWED BY: KD DATE: 6/4/98

Quote# 20941

H8F020185

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-060198QESK

Project Number: 773206

Samples Shipment Date: 01-JUN-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Quanterra - Knoxville

Sample Coordinator: Duane Nielsen

Lab Contact: John Reynolds

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/801624849976

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 [X]

Sample Disposal:

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 6/1/98 Time: 1600

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

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

1. Received By (Signature/Affiliation) Bryan K Dannon Date: 6-2-98 Time: 09:30

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

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

Comments: 1L TOTAL METALS; 1L FILTERED METALS -- SAMPLE 9025 TOTAL METALS ONLY

Custody seals intact
received at 2°c
BKD 6-2-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5805	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5805	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5805	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5805	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5805	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5805-MS	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
5805-MS	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8F020185

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-060198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5805-MS	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5805-MS	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5805-MS	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5805-MSD	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5805-MSD	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5805-MSD	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5805-MSD	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5805-MSD	PBOW-98-GW-MKMW19-5805	01-JUN-98	07:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5925	PBOW-98-GW-BEDMW16-5925	01-JUN-98	09:30	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
5925	PBOW-98-GW-BEDMW16-5925	01-JUN-98	09:30	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5925	PBOW-98-GW-BEDMW16-5925	01-JUN-98	09:30	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5925	PBOW-98-GW-BEDMW16-5925	01-JUN-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5925	PBOW-98-GW-BEDMW16-5925	01-JUN-98	09:30	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5975	PBOW-98-GW-REACTOR1-5975	01-JUN-98	13:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH712 PRESERVED TO PH<2 AT LAB WITH HNO3 BY 6-2-98
5975	PBOW-98-GW-REACTOR1-5975	01-JUN-98	13:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5975	PBOW-98-GW-REACTOR1-5975	01-JUN-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
5975	PBOW-98-GW-REACTOR1-5975	01-JUN-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5975	PBOW-98-GW-REACTOR1-5975	01-JUN-98	13:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
9025	AI BLANK	01-JUN-98	11:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
9025		01-JUN-98	11:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
9025		01-JUN-98	11:00	1 L HDPE	1	HNO3 PH<2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
9025		01-JUN-98	11:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9025		01-JUN-98	11:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133702

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5417	133702-001
9013	133702-002

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: 6/18/98
Title: Operations Manager

Signature: Carl Worthem Date: 6/17/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 133702 **Received Date: 05/16/98**
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on May 16, 1998.

Volatiles: A high relative standard deviation (%RSD) was observed for acetone in the initial calibration which was analyzed on May 28, 1998 (des). This compound met the minimum response criteria and was not detected in the samples or method blank. No other analytical problems were encountered.

Semi-volatiles: No analytical problems were encountered.

PCBs: A high percent difference (%D) was observed for Aroclor 1221 in the continuing calibration verification which was analyzed on May 27, 1998 (146A034). 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: A high relative percent difference (%RPDs) was observed for thallium for the sample duplicate of 5497 (CT#133611-001). The spike recoveries for calcium, iron, magnesium, and manganese in the matrix spike of 5497 (CT#133611-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis. The sample was extracted and analyzed past the holding time as per the client's request.

1387072

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051598CURT

Project Number: 773206

Samples Shipment Date: 15-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

Lab Destination: Curtis and Tomkins Lab

Sample Coordinator: Duane Nielsen

Lab Contact: Carol Wortham (PM) or

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/800185091259

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 X

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Relinquished By (Signature/Affiliation) — Date: 5/15/98 Time: 1800

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

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

1. Received By (Signature/Affiliation) — Date: 5/16/98 Time:

2. Received By (Signature/Affiliation) — Date: 5/16/98 Time: 0700

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

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5417	PBOW-98-GW-BG8-BEDGW-001-5417	15-MAY-98	10:40	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5417	PBOW-98-GW-BG8-BEDGW-001-5417	15-MAY-98	10:40	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5417	PBOW-98-GW-BG8-BEDGW-001-5417	15-MAY-98	10:40	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5417	PBOW-98-GW-BG8-BEDGW-001-5417	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5417	PBOW-98-GW-BG8-BEDGW-001-5417	15-MAY-98	10:40	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9013	PBOW-98-GW-BG8-BEDGW-001-9013	15-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

003

Plumbrook

Curtis & Tompkins, Ltd.

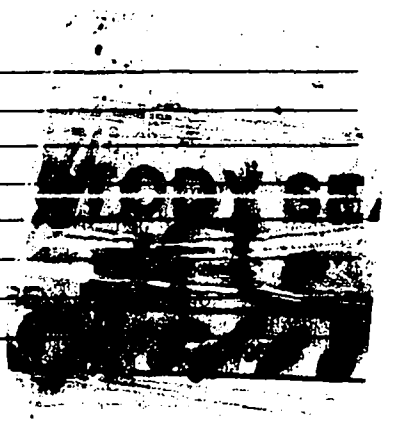
COOLER RECEIPT CHECKLIST

Login#: 133702 Date Received: 5/16 Number of Coolers: 1
Client: IT Project: Plumbrook

A. Preliminary Examination Phase
Date Opened: 5/18 By (print): J. Collins (sign) [signature]
1. Did cooler come with a shipping slip (airbill, etc.)? ..... (YES) NO
If YES, enter carrier name and airbill number: Fed Ex
2. Were custody seals on outside of cooler? ..... YES NO
How many and where? 2 Front Seal date: 5/15 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: 5.25°C

B. Login Phase
Date Logged In: 5/18 By (print): J. Collins (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:



Filename: F:\qc\forms\cooler.wpd

FedEx
Emp# 257019 16MAY98
TRK# 8001 8509 1259 FORM 0200

00005

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5417
Lab ID: 133702-001
Matrix: Water
Batch#: 41134
Units: ug/L
Diln Fac: 1

Sampled: 05/15/98
Received: 05/16/98
Extracted: 05/29/98
Analyzed: 05/29/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	97	92-110
Bromofluorobenzene	99	84-115

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9013
Lab ID: 133702-002
Matrix: Water
Batch#: 41134
Units: ug/L
Diln Fac: 1

Sampled: 05/15/98
Received: 05/16/98
Extracted: 05/29/98
Analyzed: 05/29/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	105	85-121
Toluene-d8	99	92-110
Bromofluorobenzene	99	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41134
Units: ug/L
Diln Fac: 1

Prep Date: 05/28/98
Analysis Date: 05/28/98

MB Lab ID: QC71603

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	101	85-121
Toluene-d8	96	92-110
Bromofluorobenzene	99	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41134
Units: ug/L
Diln Fac: 1

Prep Date: 05/28/98
Analysis Date: 05/28/98

BS Lab ID: QC71614

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	50.34	101	69-137
Benzene	50	48.62	97	87-117
Trichloroethene	50	49.97	100	83-116
Toluene	50	50.4	101	88-116
Chlorobenzene	50	50.23	100	87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	99	85-121
Toluene-d8	99	92-110
Bromofluorobenzene	99	84-115

BSD Lab ID: QC71615

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	51.85	104	69-137	3	14
Benzene	50	51.27	103	87-117	5	10
Trichloroethene	50	52.77	106	83-116	5	10
Toluene	50	52.67	105	88-116	4	10
Chlorobenzene	50	51.27	103	87-117	2	10

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	100	92-110
Bromofluorobenzene	100	84-115

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#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5417	Sampled:	05/15/98
Lab ID:	133702-001	Received:	05/16/98
Matrix:	Water	Extracted:	05/21/98
Batch#:	41001	Analyzed:	05/27/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	9.8
2-Chlorophenol	ND	9.8
Benzyl alcohol	ND	9.8
2-Methylphenol	ND	9.8
3,4-Methylphenol	ND	9.8
2-Nitrophenol	ND	49
2,4-Dimethylphenol	ND	9.8
Benzoic acid	ND	49
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	9.8
N-Nitrosodimethylamine	ND	9.8
Aniline	ND	9.8
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

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Field ID:	5417	Sampled:	05/15/98
Lab ID:	133702-001	Received:	05/16/98
Matrix:	Water	Extracted:	05/21/98
Batch#:	41001	Analyzed:	05/27/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	9.8
3-Nitroaniline	ND	49
Acenaphthene	ND	9.8
Dibenzofuran	ND	9.8
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
Azobenzene	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
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	57	17-107
Phenol-d5	61	18-115
2,4,6-Tribromophenol	68	14-121
Nitrobenzene-d5	77	36-115
2-Fluorobiphenyl	78	36-113
Terphenyl-d14	73	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206 -
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41001
Units: ug/L
Diln Fac: 1

Prep Date: 05/21/98
Analysis Date: 05/27/98

MB Lab ID: QC71108

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206 -
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41001
Units: ug/L
Diln Fac: 1

Prep Date: 05/21/98
Analysis Date: 05/27/98

MB Lab ID: QC71108

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	79	17-107
Phenol-d5	82	18-115
2,4,6-Tribromophenol	70	14-121
Nitrobenzene-d5	90	36-115
2-Fluorobiphenyl	85	36-113
Terphenyl-d14	82	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41001
Units: ug/L
Diln Fac: 1

Prep Date: 05/21/98
Analysis Date: 05/27/98

BS Lab ID: QC71109

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	74.21	74		45-110
2-Chlorophenol	100	78.09	78		50-110
4-Chloro-3-methylphenol	100	74.59	75		48-110
4-Nitrophenol	100	65.6	66		30-110
Pentachlorophenol	100	64.1	64		10-110
1,4-Dichlorobenzene	50	37.19	74		38-110
N-Nitroso-di-n-propylamine	50	27.23	54		29-110
1,2,4-Trichlorobenzene	50	37.05	74		41-110
Acenaphthene	50	43.42	87		50-110
2,4-Dinitrotoluene	50	41.01	82		40-110
Pyrene	50	38.61	77		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	79	17-107
Phenol-d5	83	18-115
2,4,6-Tribromophenol	75	14-121
Nitrobenzene-d5	93	36-115
2-Fluorobiphenyl	89	36-113
Terphenyl-d14	85	17-115

BSD Lab ID: QC71110

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	67.52	68		45-110	9		23
2-Chlorophenol	100	70.86	71		50-110	10		23
4-Chloro-3-methylphenol	100	66.89	67		48-110	11		20
4-Nitrophenol	100	64.08	64		30-110	2		26
Pentachlorophenol	100	62.73	63		10-110	2		44
1,4-Dichlorobenzene	50	33.63	67		38-110	10		21
N-Nitroso-di-n-propylamine	50	25.43	51		29-110	7		22
1,2,4-Trichlorobenzene	50	33.62	67		41-110	10		21
Acenaphthene	50	38.62	77		50-110	12		18
2,4-Dinitrotoluene	50	37.67	75		40-110	8		19
Pyrene	50	35.49	71		43-110	8		19

Surrogate	%Rec	Limits
2-Fluorophenol	71	17-107
Phenol-d5	75	18-115
2,4,6-Tribromophenol	72	14-121
Nitrobenzene-d5	82	36-115
2-Fluorobiphenyl	79	36-113
Terphenyl-d14	78	17-115

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: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5417	Sampled:	05/15/98
Lab ID:	133702-001	Received:	05/16/98
Matrix:	Water	Extracted:	05/20/98
Batch#:	41000	Analyzed:	05/27/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.51
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.51
Aroclor-1242	ND	0.51
Aroclor-1248	ND	0.51
Aroclor-1254	ND	0.51
Aroclor-1260	ND	0.51

Surrogate	%Recovery	Recovery Limits
TCMX	71	19-130
Decachlorobiphenyl	44	22-110

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	05/20/98
Batch#:	41000	Analysis Date:	05/27/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC71105

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	73	19-130
Decachlorobiphenyl	50	22-110

Lab #: 133702

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: PCB
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41000
Units: ug/L
Diln Fac: 1

Prep Date: 05/20/98
Analysis Date: 05/27/98

BS Lab ID: QC71106

Analyte	Spike Added	BS	%Rec #	Limits
Aroclor-1260	5	4.4	88	61-119

Surrogate	%Rec	Limits
TCMX	78	19-130
Decachlorobiphenyl	62	22-110

BSD Lab ID: QC71107

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Aroclor-1260	5	4.7	93	61-119	6	15

Surrogate	%Rec	Limits
TCMX	85	19-130
Decachlorobiphenyl	83	22-110

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: 5417
LAB ID: 133702-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/15/98
DATE RECEIVED: 05/16/98
DATE REPORTED: 05/29/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	160	100	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	40949	EPA 6010A	05/26/98
Barium	68	10	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	40949	EPA 6010A	05/26/98
Calcium	84000	500	1	40949	EPA 6010A	05/26/98
Chromium (total)	ND	10	1	40949	EPA 6010A	05/26/98
Cobalt	23	20	1	40949	EPA 6010A	05/26/98
Copper	ND	10	1	40949	EPA 6010A	05/26/98
Iron	ND	100	1	40949	EPA 6010A	05/26/98
Lead	ND	3.0	1	40949	EPA 6010A	05/26/98
Magnesium	40000	500	1	40949	EPA 6010A	05/26/98
Manganese	640	10	1	40949	EPA 6010A	05/26/98
Mercury	ND	0.20	1	41073	EPA 7470	05/26/98
Molybdenum	ND	20	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	1	40949	EPA 6010A	05/26/98
Potassium	11000	500	1	40949	EPA 6010A	05/26/98
Selenium	9.8	5.0	1	40949	EPA 6010A	05/26/98
Silver	ND	5.0	1	40949	EPA 6010A	05/26/98
Sodium	120000	500	1	40949	EPA 6010A	05/26/98
Thallium	ND	5.0	1	40949	EPA 6010A	05/26/98
Vanadium	ND	10	1	40949	EPA 6010A	05/26/98
Zinc	ND	20	1	40949	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5417
LAB ID: 133702-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/15/98
DATE RECEIVED: 05/16/98
DATE REPORTED: 05/29/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	180	100	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	41026	EPA 6010A	05/27/98
Barium	22	10	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	41026	EPA 6010A	05/26/98
Calcium	58000	500	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	1	41026	EPA 6010A	05/26/98
Copper	ND	10	1	41026	EPA 6010A	05/26/98
Iron	320	100	1	41026	EPA 6010A	05/26/98
Lead	ND	3.0	1	41026	EPA 6010A	05/27/98
Magnesium	21000	500	1	41026	EPA 6010A	05/26/98
Manganese	37	10	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.20	1	40973	EPA 7470	05/20/98
Molybdenum	ND	20	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	1	41026	EPA 6010A	05/26/98
Potassium	3800	500	1	41026	EPA 6010A	05/26/98
Selenium	ND	5.0	1	41026	EPA 6010A	05/27/98
Silver	ND	5.0	1	41026	EPA 6010A	05/26/98
Sodium	17000	500	1	41026	EPA 6010A	05/26/98
Thallium	ND	5.0	1	41026	EPA 6010A	05/27/98
Vanadium	ND	10	1	41026	EPA 6010A	05/26/98
Zinc	31	20	1	41026	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Aluminum	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Barium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Barium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	40949	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	41026	EPA 6010A	05/27/98
Magnesium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Magnesium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.2	ug/L	1	40973	EPA 7470	05/20/98
Mercury	ND	0.2	ug/L	1	41073	EPA 7470	05/26/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Molybdenum	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Silver	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Silver	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Vanadium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Vanadium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	41026	EPA 6010A	05/26/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 06/11/98

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	2091	2119	ug/L	105	106	80-120	1	35	41026	EPA 6010A	05/26/98
Antimony	500	488.9	509.8	ug/L	98	102	80-120	4	35	41026	EPA 6010A	05/26/98
Arsenic	2000	1983	2120	ug/L	99	106	80-120	7	35	41026	EPA 6010A	05/26/98
Barium	2000	2026	2045	ug/L	101	102	80-120	1	35	41026	EPA 6010A	05/26/98
Beryllium	50	51.65	51.9	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Cadmium	50	53.31	56.26	ug/L	107	113	80-120	5	35	41026	EPA 6010A	05/26/98
Calcium	20000	18120	18170	ug/L	91	91	80-120	0	35	41026	EPA 6010A	05/26/98
Chromium (total)	200	201.5	201.2	ug/L	101	101	80-120	0	35	41026	EPA 6010A	05/26/98
Cobalt	500	509.7	511.4	ug/L	102	102	80-120	0	35	41026	EPA 6010A	05/26/98
Copper	250	256.1	258.8	ug/L	102	104	80-120	1	35	41026	EPA 6010A	05/26/98
Iron	1000	1042	1043	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Lead	500	527	548	ug/L	105	110	80-120	4	35	41026	EPA 6010A	05/27/98
Magnesium	20000	20520	20690	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Manganese	500	500.6	503.7	ug/L	100	101	80-120	1	35	41026	EPA 6010A	05/26/98
Mercury	5	5.659	4.823	ug/L	113	97	80-120	16	35	40973	EPA 7470	05/20/98
Mercury	5	4.282	4.245	ug/L	86	85	80-120	1	35	41073	EPA 7470	05/26/98
Molybdenum	400	413.9	415	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Nickel	500	526.9	515.5	ug/L	105	103	80-120	2	35	41026	EPA 6010A	05/26/98
Potassium	20000	20320	20630	ug/L	102	103	80-120	2	35	41026	EPA 6010A	05/26/98
Selenium	2000	2110	2140	ug/L	106	107	80-120	1	35	41026	EPA 6010A	05/27/98
Silver	100	102.2	104.4	ug/L	102	104	80-120	2	35	41026	EPA 6010A	05/26/98
Sodium	20000	21380	21690	ug/L	107	109	80-120	1	35	41026	EPA 6010A	05/26/98
Thallium	2000	2240	2280	ug/L	112	114	80-120	2	35	41026	EPA 6010A	05/27/98
Vanadium	500	509.9	513.3	ug/L	102	103	80-120	1	35	41026	EPA 6010A	05/26/98
Zinc	500	519.2	527	ug/L	104	105	80-120	2	35	41026	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

BATCH QC REPORT
LABORATORY CONTROL SAMPLE

Compound	Spike Amt	Result	Units	% Rec.	QC Batch	Method	Analysis Date
Aluminum	2000	2065	ug/L	103	40949	EPA 6010A	05/26/98
Antimony	500	557	ug/L	111	40949	EPA 6010A	05/26/98
Arsenic	2000	2150	ug/L	108	40949	EPA 6010A	05/26/98
Barium	2000	2120	ug/L	106	40949	EPA 6010A	05/26/98
Beryllium	50	55.5	ug/L	111	40949	EPA 6010A	05/26/98
Cadmium	50	54.8	ug/L	110	40949	EPA 6010A	05/26/98
Calcium	20000	23610	ug/L	118	40949	EPA 6010A	05/26/98
Chromium (total)	200	219	ug/L	110	40949	EPA 6010A	05/26/98
Cobalt	500	559	ug/L	112	40949	EPA 6010A	05/26/98
Copper	250	278	ug/L	111	40949	EPA 6010A	05/26/98
Iron	1000	1158	ug/L	116	40949	EPA 6010A	05/26/98
Lead	500	554	ug/L	111	40949	EPA 6010A	05/26/98
Magnesium	20000	22800	ug/L	114	40949	EPA 6010A	05/26/98
Manganese	500	538	ug/L	108	40949	EPA 6010A	05/26/98
Molybdenum	400	451	ug/L	113	40949	EPA 6010A	05/26/98
Nickel	500	549	ug/L	110	40949	EPA 6010A	05/26/98
Potassium	20000	20410	ug/L	102	40949	EPA 6010A	05/26/98
Selenium	2000	2160	ug/L	108	40949	EPA 6010A	05/26/98
Silver	100	110	ug/L	110	40949	EPA 6010A	05/26/98
Sodium	20000	20520	ug/L	103	40949	EPA 6010A	05/26/98
Thallium	2000	2320	ug/L	116	40949	EPA 6010A	05/26/98
Vanadium	500	551	ug/L	110	40949	EPA 6010A	05/26/98
Zinc	500	547	ug/L	109	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

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
Aluminum	133698-008	<100.000	2000	2143	2129	ug/L	107	106	65-135	1	35	40949	EPA 6010A	05/26/98
Antimony	133698-008	<60.000	500	463	524	ug/L	93	105	65-135	12	35	40949	EPA 6010A	05/26/98
Arsenic	133698-008	<5.000	2000	2130	2070	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Barium	133698-008	14	2000	2090	2070	ug/L	104	103	65-135	1	35	40949	EPA 6010A	05/26/98
Beryllium	133698-008	<2.000	50	54.6	53	ug/L	109	106	65-135	3	35	40949	EPA 6010A	05/26/98
Cadmium	133698-008	<5.000	50	53.8	51.7	ug/L	108	103	65-135	4	35	40949	EPA 6010A	05/26/98
Calcium	133698-008	11000	20000	33230	32300	ug/L	111	106	65-135	3	35	40949	EPA 6010A	05/26/98
Chromium (total)	133698-008	<10.000	200	212	206	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Cobalt	133698-008	<20.000	500	549	531	ug/L	110	106	65-135	3	35	40949	EPA 6010A	05/26/98
Copper	133698-008	<10.000	250	275	273	ug/L	110	109	65-135	1	35	40949	EPA 6010A	05/26/98
Iron	133698-008	110	1000	1150	1119	ug/L	104	101	65-135	3	35	40949	EPA 6010A	05/26/98
Lead	133698-008	<3.000	500	542	528	ug/L	108	106	65-135	3	35	40949	EPA 6010A	05/26/98
Magnesium	133698-008	1100	20000	23630	23070	ug/L	113	110	65-135	2	35	40949	EPA 6010A	05/26/98
Manganese	133698-008	81	500	611	595	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Mercury	133698-008	<0.200	5	4.442	4.786	ug/L	89	96	65-135	8	35	41073	EPA 7470	05/26/98
Molybdenum	133698-008	39	400	473	462	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98
Nickel	133698-008	<20.000	500	537	519	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Potassium	133698-008	1200	20000	21640	21610	ug/L	102	102	65-135	0	35	40949	EPA 6010A	05/26/98
Selenium	133698-008	7.6	2000	2120	2070	ug/L	106	103	65-135	2	35	40949	EPA 6010A	05/26/98
Silver	133698-008	<5.000	100	107	107	ug/L	107	107	65-135	0	35	40949	EPA 6010A	05/26/98
Sodium	133698-008	4300	20000	24620	24510	ug/L	101	101	65-135	0	35	40949	EPA 6010A	05/26/98
Thallium	133698-008	<5.000	2000	2280	2230	ug/L	114	112	65-135	2	35	40949	EPA 6010A	05/26/98
Vanadium	133698-008	<10.000	500	541	529	ug/L	108	106	65-135	2	35	40949	EPA 6010A	05/26/98
Zinc	133698-008	<20.000	500	544	531	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133611-001	802.7	797.2	ug/L	1	20	41026	EPA 6010A	05/26/98
Antimony	133611-001	<60.000	<60.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Arsenic	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Barium	133611-001	50.8	50.59	ug/L	0	20	41026	EPA 6010A	05/26/98
Beryllium	133611-001	<2.000	<2.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cadmium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Calcium	133611-001	510800	487200	ug/L	5	20	41026	EPA 6010A	05/26/98
Chromium (total)	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cobalt	133611-001	<20.000	26.59	ug/L	NC	20	41026	EPA 6010A	05/26/98
Copper	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Iron	133611-001	10760	10730	ug/L	0	20	41026	EPA 6010A	05/26/98
Lead	133611-001	<3.000	<3.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Magnesium	133611-001	376600	358900	ug/L	5	20	41026	EPA 6010A	05/26/98
Manganese	133611-001	5630	5611	ug/L	0	20	41026	EPA 6010A	05/26/98
Mercury	133550-002	<0.200	<0.200	ug/L	NC	20	40973	EPA 7470	05/20/98
Molybdenum	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Nickel	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Potassium	133611-001	6358	6475	ug/L	2	20	41026	EPA 6010A	05/26/98
Selenium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Silver	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Sodium	133611-001	41100	40920	ug/L	0	20	41026	EPA 6010A	05/26/98
Thallium	133611-001	14.4	19.6	ug/L	31*	20	41026	EPA 6010A	05/27/98
Vanadium	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Zinc	133611-001	39.77	39.77	ug/L	0	20	41026	EPA 6010A	05/26/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133702

DATE REPORTED: 05/29/98

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	133611-001	802.7	2723	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Antimony	500	133611-001	<60.000	426.1	ug/L	85	65-135	41026	EPA 6010A	05/26/98
Arsenic	2000	133611-001	<5.000	2000	ug/L	100	65-135	41026	EPA 6010A	05/27/98
Barium	2000	133611-001	50.8	1928	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Beryllium	50	133611-001	<2.000	47.27	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cadmium	50	133611-001	<5.000	47.87	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Calcium	20000	133611-001	510800	555500	ug/L	224* NM	65-135	41026	EPA 6010A	05/26/98
Chromium (total)	200	133611-001	<10.000	190.2	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cobalt	500	133611-001	<20.000	473.1	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Copper	250	133611-001	<10.000	240.2	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Iron	1000	133611-001	10760	11340	ug/L	58* NM	65-135	41026	EPA 6010A	05/26/98
Lead	500	133611-001	<3.000	512	ug/L	102	65-135	41026	EPA 6010A	05/27/98
Magnesium	20000	133611-001	376600	425900	ug/L	247* NM	65-135	41026	EPA 6010A	05/26/98
Manganese	500	133611-001	5630	5908	ug/L	56* NM	65-135	41026	EPA 6010A	05/26/98
Mercury	5	133550-002	<0.200	4.573	ug/L	92	65-135	40973	EPA 7470	05/20/98
Molybdenum	400	133611-001	<20.000	370.3	ug/L	93	65-135	41026	EPA 6010A	05/26/98
Nickel	500	133611-001	<20.000	483.6	ug/L	97	65-135	41026	EPA 6010A	05/26/98
Potassium	20000	133611-001	6358	26200	ug/L	99	65-135	41026	EPA 6010A	05/26/98
Selenium	2000	133611-001	<5.000	2110	ug/L	106	65-135	41026	EPA 6010A	05/27/98
Silver	100	133611-001	<5.000	97.73	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Sodium	20000	133611-001	41100	60700	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Thallium	2000	133611-001	14.4	2100	ug/L	104	65-135	41026	EPA 6010A	05/27/98
Vanadium	500	133611-001	<10.000	467.7	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Zinc	500	133611-001	39.77	511.3	ug/L	94	65-135	41026	EPA 6010A	05/26/98

* = 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

June 3, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099327**
PO/CONTRACT: **Project #133702**

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 22 May 1998.

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/rr

Quanterra
Environmental Services

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Quanterra's Quality Assurance Program

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Chain of Custody Documentation

Nitroaromatics and Nitramines - Method 8330
Includes Sample(s): 1
- Sample Data Sheet
- Laboratory QC Reports
- Initial Calibration Summary & Analysis Logs
- Continuing Calibration Summaries & Analysis Logs

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099327

Please note that the holding time expired in transit to the laboratory. The sample was collected on 15 May 1998, but not received until 22 May 1998.

There were no other 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
099327-0001-SA	5417	AQUEOUS	15 MAY 98		22 MAY 98

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133702

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5417	15-MAY-98	Water	8330	133702-001

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	5/21/98 Date/Time	052298 9:00 Date/Time
	Date/Time	Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Rec'd in good condition
052298 ME

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5417
LAB ID: 099327-0001-SA
Matrix: AQUEOUS — Sampled: 15 MAY 98 — Received: 22 MAY 98
Authorized: 22 MAY 98 — Prepared: 26 MAY 98 — Analyzed: 28 MAY 98

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	103 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson — Approved By: Emily Uebelhoer

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)
099327-0001-SA	AQUEOUS	8330-LOW-A	26 MAY 98-11A	26 MAY 98-11A

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099327

Test: 8330-LOW-A Nitroaromatics and Nitramines by HPLC
Method: 8330
Matrix: AQUEOUS
QC Lot: 26 MAY 98-11A QC Run: 26 MAY 98-11A
Analyzed: 27 MAY 98 Time: 21:51

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	102	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099327

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 26 MAY 98-11A Analyzed Date: 27 MAY 98 Time: 23:17

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.554	0.563	111	113	65-135	1.7	35
1,3,5-Trinitrobenzene	0.500	0.548	0.587	110	117	65-135	6.7	35
RDX	0.500	0.507	0.584	101	117	65-135	14	35
1,3-Dinitrobenzene	0.500	0.536	0.556	107	111	65-135	3.6	35
Nitrobenzene	0.500	0.532	0.591	106	118	65-135	11	35
2,4,6-Trinitrotoluene	0.500	0.583	0.602	117	120	65-135	3.2	35
Tetryl	0.500	0.572	0.599	114	120	65-135	4.7	35
2,4-Dinitrotoluene	0.500	0.554	0.574	111	115	65-135	3.5	35
2,6-Dinitrotoluene	0.500	0.583	0.588	117	118	65-135	0.87	35
2-Am-DNT	0.500	0.557	0.558	111	112	65-135	0.25	35
4-Am-DNT	0.500	0.562	0.575	112	115	65-135	2.3	35
2-Nitrotoluene	0.500	0.481	0.550	96	110	65-135	13	35
4-Nitrotoluene	0.500	0.550	0.550	110	110	65-135	0.036	35
3-Nitrotoluene	0.500	0.509	0.550	102	110	65-135	7.6	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.6	99	101	65-135

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133611

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5497	133611-001
9009	133611-002
5497 RE	133611-003

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: 6.18.98
Title: Operations Manager

Signature: Carol Worthan Date: 6/16/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 133611 **Received Date: 05/14/98**
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on May 14, 1998.

Volatiles: No analytical problems were encountered.

Semi-volatiles: Low surrogate recoveries were observed for 2-fluorophenol, phenol-d5, and 2,4,6-tribromophenol for 5497 (CT#133611-001). The sample was relogged as 5497 RE (CT#133611-003), re-extracted, and reanalyzed with similar surrogate recoveries. A high relative standard deviation (%RSD) was observed for bis(2-ethylhexyl)phthalate in the initial calibration which was analyzed on May 19, 1998 (uej). The compound met the minimum response criteria and was not detected in the sample or method blank. A high percent difference (%D) was observed for pyridine in the continuing calibration verification which was analyzed on May 28, 1998 (ues). The compound met the minimum response criteria and was not detected in the sample or method blank. No other analytical problems were encountered.

PCBs: A high percent difference (%D) was observed for Aroclor 1221 in the continuing calibration verification which was analyzed on May 20, 1998 (137A095). 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: A high relative percent difference (%RPDs) was observed for thallium for the sample duplicate of 5497 (CT#133611-001). The spike recoveries for calcium, iron, magnesium, and manganese in the matrix spike of 5497 (CT#133611-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis.

Plumbrook

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 133611 Date Received: 5/14 Number of Coolers: 1
Client: IT Project: 773206

A. Preliminary Examination Phase
Date Opened: 5/14 By (print): J. Williams (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES NO
   If YES, enter carrier name and airbill number: Fed Ex 8001851537 54
2. Were custody seals on outside of cooler? ..... YES NO
   How many and where? 1 Front Seal date: 5/13 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: 5.25°C

B. Login Phase
Date Logged In: 5/14 By (print): J. Williams (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:

[redacted]

Filename: F:\qc\forms\cooler.wpd

00.

133611

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398CURT

Project Number: 773206
Project Name: PLUMBROOK ORDNANCE WOR
Sample Coordinator: Duane Nielsen
Turnaround Time:

Samples Shipment Date: 13-MAY-98
Lab Destination: Curtis and Tomkins Lab
Lab Contact: Carol Wortham (PM) or
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/800185153754

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 X

Sample Disposal:

Return to Client | | Disposal by Lab X | Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/13/98 Time: 1800
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 5/14/98 Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9009	PBOW-98-GW-AA1-GW-004-9009	13-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

003

133611

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051398CURT

Project Number: 773206
Project Name: PLUMBROOK ORDNANCE WOR
Sample Coordinator: Duane Nielsen
Turnaround Time:

Samples Shipment Date: 13-MAY-98
Lab Destination: Curtis and Tomkins Lab
Lab Contact: Carol Wortham (PM) or
Project Contact: Kim Napier
Carrier/Waybill No.: Fed Ex/800185153754

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 X

1. Relinquished By (Signature/Affiliation) — Date: 5/13/98 Time: 1800
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Received By (Signature/Affiliation) — Date: 5/14/98 Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5497	PBOW-98-GW-AA1-GW-002-5497	13-MAY-98	09:05	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9009	PBOW-98-GW-AA1-GW-004-9009	13-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

003

Plumbrook

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 133611 Date Received: 5/14 Number of Coolers: 1
Client: IT Project: 773206

A. Preliminary Examination Phase
Date Opened: 5/14 By (print): J. Williams (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... (YES) NO
   If YES, enter carrier name and airbill number: Fed Ex 8001851537 54
2. Were custody seals on outside of cooler? ..... (YES) NO
   How many and where? 1 Front Seal date: 5/13 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: 5.25°C

B. Login Phase
Date Logged In: 5/14 By (print): J. Williams (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 SE

Filename: F:\qc\forms\cooler.wpd

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5497
Lab ID: 133611-001
Matrix: Water
Batch#: 40903
Units: ug/L
Diln Fac: 1

Sampled: 05/13/98
Received: 05/14/98
Extracted: 05/19/98
Analyzed: 05/19/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	105	76-128
1,2-Dichloroethane-d4	109	85-121
Toluene-d8	98	92-110
Bromofluorobenzene	102	84-115

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9009
Lab ID: 133611-002
Matrix: Water
Batch#: 40903
Units: ug/L
Diln Fac: 1

Sampled: 05/13/98
Received: 05/14/98
Extracted: 05/19/98
Analyzed: 05/19/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	106	76-128
1,2-Dichloroethane-d4	109	85-121
Toluene-d8	97	92-110
Bromofluorobenzene	102	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 40903
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/18/98

MB Lab ID: QC70744

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	99	92-110
Bromofluorobenzene	102	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 40903
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/18/98

MB Lab ID: QC70745

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	98	92-110
Bromofluorobenzene	102	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 40903
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/18/98

BS Lab ID: QC70742

Analyte	Spike Added	BS	%Rec	#	Limits
1,1-Dichloroethene	50	41.98	84		69-137
Benzene	50	48.62	97		87-117
Trichloroethene	50	48.9	98		83-116
Toluene	50	49.63	99		88-116
Chlorobenzene	50	50.91	102		87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	101	76-128
1,2-Dichloroethane-d4	98	85-121
Toluene-d8	97	92-110
Bromofluorobenzene	99	84-115

BSD Lab ID: QC70743

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
1,1-Dichloroethene	50	42.19	84		69-137	0		14
Benzene	50	48.9	98		87-117	1		10
Trichloroethene	50	49.1	98		83-116	0		10
Toluene	50	49.23	98		88-116	1		10
Chlorobenzene	50	50.6	101		87-117	1		10

Surrogate	%Rec	Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	98	92-110
Bromofluorobenzene	99	84-115

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#:	773206 -	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5497	Sampled:	05/13/98
Lab ID:	133611-001	Received:	05/14/98
Matrix:	Water	Extracted:	05/18/98
Batch#:	40923	Analyzed:	05/20/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	51
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	51
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	51
4-Nitrophenol	ND	51
4,6-Dinitro-2-methylphenol	ND	51
Pentachlorophenol	ND	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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	51
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	51
Dimethylphthalate	ND	10
Acenaphthylene	ND	10

Semivolatile Organics by GC/MS

Field ID:	5497	Sampled:	05/13/98
Lab ID:	133611-001	Received:	05/14/98
Matrix:	Water	Extracted:	05/18/98
Batch#:	40923	Analyzed:	05/20/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	51
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	51
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	51
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	%Recovery	Recovery Limits
2-Fluorophenol	0*	17-107
Phenol-d5	8*	18-115
2,4,6-Tribromophenol	2*	14-121
Nitrobenzene-d5	99	36-115
2-Fluorobiphenyl	97	36-113
Terphenyl-d14	55	17-115

* Values outside of QC limits

Semivolatile Organics by GC/MS

Client: IT Corporation
Project#: 773206 -
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

Field ID: 5497 RE
Lab ID: 133611-003
Matrix: Water
Batch#: 41058
Units: ug/L
Diln Fac: 1

Sampled: 05/13/98
Received: 05/14/98
Extracted: 05/22/98
Analyzed: 05/28/98

Analyte	Result	Reporting Limit
Phenol	ND	9.7
2-Chlorophenol	ND	9.7
Benzyl alcohol	ND	9.7
2-Methylphenol	ND	9.7
3,4-Methylphenol	ND	9.7
2-Nitrophenol	ND	49
2,4-Dimethylphenol	ND	9.7
Benzoic acid	ND	49
2,4-Dichlorophenol	ND	9.7
4-Chloro-3-methylphenol	ND	9.7
2,4,6-Trichlorophenol	ND	9.7
2,4,5-Trichlorophenol	ND	9.7
2,4-Dinitrophenol	ND	49
4-Nitrophenol	ND	49
4,6-Dinitro-2-methylphenol	ND	49
Pentachlorophenol	ND	9.7
N-Nitrosodimethylamine	ND	9.7
Aniline	ND	9.7
bis(2-Chloroethyl)ether	ND	9.7
1,3-Dichlorobenzene	ND	9.7
1,4-Dichlorobenzene	ND	9.7
1,2-Dichlorobenzene	ND	9.7
bis(2-Chloroisopropyl) ether	ND	9.7
N-Nitroso-di-n-propylamine	ND	9.7
Hexachloroethane	ND	9.7
Nitrobenzene	ND	9.7
Isophorone	ND	9.7
bis(2-Chloroethoxy)methane	ND	9.7
1,2,4-Trichlorobenzene	ND	9.7
Naphthalene	ND	9.7
4-Chloroaniline	ND	9.7
Hexachlorobutadiene	ND	9.7
2-Methylnaphthalene	ND	9.7
Hexachlorocyclopentadiene	ND	49
2-Chloronaphthalene	ND	9.7
2-Nitroaniline	ND	49
Dimethylphthalate	ND	9.7
Acenaphthylene	ND	9.7

Semivolatile Organics by GC/MS

Field ID:	5497 RE-	Sampled:	05/13/98
Lab ID:	133611-003	Received:	05/14/98
Matrix:	Water	Extracted:	05/22/98
Batch#:	41058	Analyzed:	05/28/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	9.7
3-Nitroaniline	ND	49
Acenaphthene	ND	9.7
Dibenzofuran	ND	9.7
2,4-Dinitrotoluene	ND	9.7
Diethylphthalate	ND	9.7
4-Chlorophenyl-phenylether	ND	9.7
Fluorene	ND	9.7
4-Nitroaniline	ND	49
N-Nitrosodiphenylamine	ND	9.7
Azobenzene	ND	9.7
4-Bromophenyl-phenylether	ND	9.7
Hexachlorobenzene	ND	9.7
Phenanthrene	ND	9.7
Anthracene	ND	9.7
Di-n-butylphthalate	ND	9.7
Fluoranthene	ND	9.7
Pyrene	ND	9.7
Butylbenzylphthalate	ND	9.7
3,3'-Dichlorobenzidine	ND	49
Benzo(a)anthracene	ND	9.7
Chrysene	ND	9.7
bis(2-Ethylhexyl)phthalate	ND	9.7
Di-n-octylphthalate	ND	9.7
Benzo(b,k)fluoranthene	ND	9.7
Benzo(a)pyrene	ND	9.7
Indeno(1,2,3-cd)pyrene	ND	9.7
Dibenz(a,h)anthracene	ND	9.7
Benzo(g,h,i)perylene	ND	9.7

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	0*	17-107
Phenol-d5	3*	18-115
2,4,6-Tribromophenol	2*	14-121
Nitrobenzene-d5	55	36-115
2-Fluorobiphenyl	67	36-113
Terphenyl-d14	42	17-115

* Values outside of QC limits

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

MB Lab ID: QC70823

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

MB Lab ID: QC70823

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	98	17-107
Phenol-d5	101	18-115
2,4,6-Tribromophenol	98	14-121
Nitrobenzene-d5	100	36-115
2-Fluorobiphenyl	99	36-113
Terphenyl-d14	94	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41058
Units: ug/L
Diln Fac: 1

Prep Date: 05/22/98
Analysis Date: 05/28/98

MB Lab ID: QC71323

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41058
Units: ug/L
Diln Fac: 1

Prep Date: 05/22/98
Analysis Date: 05/28/98

MB Lab ID: QC71323

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	87	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	81	14-121
Nitrobenzene-d5	72	36-115
2-Fluorobiphenyl	71	36-113
Terphenyl-d14	66	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

BS Lab ID: QC70824

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	83.6	84		45-110
2-Chlorophenol	100	90.57	91		50-110
4-Chloro-3-methylphenol	100	83.55	84		48-110
4-Nitrophenol	100	70.94	71		30-110
Pentachlorophenol	100	68.97	69		10-110
1,4-Dichlorobenzene	50	42.35	85		38-110
N-Nitroso-di-n-propylamine	50	40.44	81		29-110
1,2,4-Trichlorobenzene	50	40.53	81		41-110
Acenaphthene	50	47.34	95		50-110
2,4-Dinitrotoluene	50	42.83	86		40-110
Pyrene	50	40.45	81		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	89	17-107
Phenol-d5	93	18-115
2,4,6-Tribromophenol	95	14-121
Nitrobenzene-d5	101	36-115
2-Fluorobiphenyl	96	36-113
Terphenyl-d14	95	17-115

BSD Lab ID: QC70825

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	81.51	82		45-110	3		23
2-Chlorophenol	100	87.74	88		50-110	3		23
4-Chloro-3-methylphenol	100	81.49	81		48-110	2		20
4-Nitrophenol	100	70.38	70		30-110	1		26
Pentachlorophenol	100	69.69	70		10-110	1		44
1,4-Dichlorobenzene	50	38	76		38-110	11		21
N-Nitroso-di-n-propylamine	50	38.16	76		29-110	6		22
1,2,4-Trichlorobenzene	50	36.23	72		41-110	11		21
Acenaphthene	50	44.24	88		50-110	7		18
2,4-Dinitrotoluene	50	39.46	79		40-110	8		19
Pyrene	50	37.36	75		43-110	8		19

Surrogate	%Rec	Limits
2-Fluorophenol	89	17-107
Phenol-d5	90	18-115
2,4,6-Tribromophenol	90	14-121
Nitrobenzene-d5	93	36-115
2-Fluorobiphenyl	88	36-113
Terphenyl-d14	87	17-115

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: 0 out of 22 outside limits

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 41058
Units: ug/L
Diln Fac: 1

Prep Date: 05/22/98
Analysis Date: 05/28/98

LCS Lab ID: QC71324

Analyte	Result	Spike Added	%Rec #	Limits
Phenol	81.86	100	82	45-110
2-Chlorophenol	88.62	100	89	50-110
4-Chloro-3-methylphenol	74.22	100	74	48-110
4-Nitrophenol	66.25	100	66	30-110
Pentachlorophenol	69.8	100	70	10-110
1,4-Dichlorobenzene	30.18	50	60	38-110
N-Nitroso-di-n-propylamine	28.52	50	57	29-110
1,2,4-Trichlorobenzene	29.46	50	59	41-110
Acenaphthene	34.66	50	69	50-110
2,4-Dinitrotoluene	32	50	64	40-110
Pyrene	28.67	50	57	43-110

Surrogate	%Rec	Limits
2-Fluorophenol	91	17-107
Phenol-d5	92	18-115
2,4,6-Tribromophenol	95	14-121
Nitrobenzene-d5	75	36-115
2-Fluorobiphenyl	74	36-113
Terphenyl-d14	68	17-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 11 outside limits

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 133789-003
Matrix: Water
Batch#: 41058
Units: ug/L
Diln Fac: 1

Sample Date: 05/18/98
Received Date: 05/20/98
Prep Date: 05/22/98
Analysis Date: 05/28/98

MS Lab ID: QC71325

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Phenol	100	2.13	83.49	81	45-110
2-Chlorophenol	100	<10	88.92	89	50-110
4-Chloro-3-methylphenol	100	<10	72.1	72	48-110
4-Nitrophenol	100	<50	75.04	75	30-110
Pentachlorophenol	100	<10	77.98	78	10-110
1,4-Dichlorobenzene	50	<10	32.3	65	38-110
N-Nitroso-di-n-propylamine	50	<10	29.46	59	29-110
1,2,4-Trichlorobenzene	50	<10	30.68	61	41-110
Acenaphthene	50	<10	33.68	67	50-110
2,4-Dinitrotoluene	50	<10	32.19	64	40-110
Pyrene	50	<10	29.45	59	43-110

Surrogate	%Rec	Limits
2-Fluorophenol	92	17-107
Phenol-d5	92	18-115
2,4,6-Tribromophenol	87	14-121
Nitrobenzene-d5	74	36-115
2-Fluorobiphenyl	75	36-113
Terphenyl-d14	54	17-115

MSD Lab ID: QC71326

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Phenol	105.3	81.28	75	45-110	3	23
2-Chlorophenol	105.3	86.11	82	50-110	3	23
4-Chloro-3-methylphenol	105.3	74.07	70	48-110	3	20
4-Nitrophenol	105.3	76.87	73	30-110	2	26
Pentachlorophenol	105.3	76.96	73	10-110	1	44
1,4-Dichlorobenzene	52.63	31.16	59	38-110	4	21
N-Nitroso-di-n-propylamine	52.63	29.68	56	29-110	1	22
1,2,4-Trichlorobenzene	52.63	30.73	58	41-110	0	21
Acenaphthene	52.63	35.9	68	50-110	6	18
2,4-Dinitrotoluene	52.63	34.07	65	40-110	6	19
Pyrene	52.63	29.56	56	43-110	0	19

Surrogate	%Rec	Limits
2-Fluorophenol	80	17-107
Phenol-d5	85	18-115
2,4,6-Tribromophenol	93	14-121
Nitrobenzene-d5	72	36-115
2-Fluorobiphenyl	72	36-113
Terphenyl-d14	59	17-115

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: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206 -	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5497	Sampled:	05/13/98
Lab ID:	133611-001	Received:	05/14/98
Matrix:	Water	Extracted:	05/14/98
Batch#:	40860	Analyzed:	05/19/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.49
Aroclor-1221	ND	0.98
Aroclor-1232	ND	0.49
Aroclor-1242	ND	0.49
Aroclor-1248	ND	0.49
Aroclor-1254	ND	0.49
Aroclor-1260	ND	0.49

Surrogate	%Recovery	Recovery Limits
TCMX	61	19-130
Decachlorobiphenyl	30	22-110

BATCH QC REPORT

Curtis & Tomkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206 -	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	05/14/98
Batch#:	40860	Analysis Date:	05/19/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC70586

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	67	19-130
Decachlorobiphenyl	46	22-110

Lab #: 133611

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client: IT Corporation
Project#: 773206 -
Location: Plumbrook Ordinance Wor

Analysis Method: PCB
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 40860
Units: ug/L
Diln Fac: 1

Prep Date: 05/14/98
Analysis Date: 05/19/98

BS Lab ID: QC70587

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4.6	92		61-119

Surrogate	%Rec	Limits
TCMX	76	19-130
Decachlorobiphenyl	51	22-110

BSD Lab ID: QC70588

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.7	94		61-119	2		15

Surrogate	%Rec	Limits
TCMX	76	19-130
Decachlorobiphenyl	54	22-110

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: 5497
LAB ID: 133611-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/13/98
DATE RECEIVED: 05/14/98
DATE REPORTED: 06/03/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	710	100	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	40949	EPA 6010A	05/26/98
Barium	48	10	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	40949	EPA 6010A	05/26/98
Calcium	490000	5000	10	40949	EPA 6010A	05/28/98
Chromium (total)	ND	10	1	40949	EPA 6010A	05/26/98
Cobalt	24	20	1	40949	EPA 6010A	05/26/98
Copper	ND	10	1	40949	EPA 6010A	05/26/98
Iron	10000	100	1	40949	EPA 6010A	05/26/98
Lead	ND	3.0	1	40949	EPA 6010A	05/26/98
Magnesium	330000	5000	10	40949	EPA 6010A	05/28/98
Manganese	5500	10	1	40949	EPA 6010A	05/26/98
Mercury	ND	0.20	1	41035	EPA 7470	05/22/98
Molybdenum	ND	20	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	1	40949	EPA 6010A	05/26/98
Potassium	5900	500	1	40949	EPA 6010A	05/26/98
Selenium	ND	5.0	1	40949	EPA 6010A	05/26/98
Silver	ND	5.0	1	40949	EPA 6010A	05/26/98
Sodium	37000	500	1	40949	EPA 6010A	05/26/98
Thallium	14	5.0	1	40949	EPA 6010A	05/26/98
Vanadium	ND	10	1	40949	EPA 6010A	05/26/98
Zinc	31	20	1	40949	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5497
LAB ID: 133611-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/13/98
DATE RECEIVED: 05/14/98
DATE REPORTED: 06/03/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	800	100	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	41026	EPA 6010A	05/26/98
Barium	51	10	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	41026	EPA 6010A	05/26/98
Calcium	510000	5000	10	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	1	41026	EPA 6010A	05/26/98
Copper	ND	10	1	41026	EPA 6010A	05/26/98
Iron	11000	100	1	41026	EPA 6010A	05/26/98
Lead	ND	3.0	1	41026	EPA 6010A	05/26/98
Magnesium	380000	5000	10	41026	EPA 6010A	05/26/98
Manganese	5600	10	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.20	1	40973	EPA 7470	05/20/98
Molybdenum	ND	20	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	1	41026	EPA 6010A	05/26/98
Potassium	6400	500	1	41026	EPA 6010A	05/26/98
Selenium	ND	5.0	1	41026	EPA 6010A	05/26/98
Silver	ND	5.0	1	41026	EPA 6010A	05/26/98
Sodium	41000	500	1	41026	EPA 6010A	05/26/98
Thallium	14	5.0	1	41026	EPA 6010A	05/26/98
Vanadium	ND	10	1	41026	EPA 6010A	05/26/98
Zinc	40	20	1	41026	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Aluminum	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Barium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Barium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	40949	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	41026	EPA 6010A	05/27/98
Magnesium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Magnesium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.2	ug/L	1	40973	EPA 7470	05/20/98
Mercury	ND	0.2	ug/L	1	41035	EPA 7470	05/22/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Molybdenum	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Silver	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Silver	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Vanadium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Vanadium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	41026	EPA 6010A	05/26/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/11/98

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	2091	2119	ug/L	105	106	80-120	1	35	41026	EPA 6010A	05/26/98
Antimony	500	488.9	509.8	ug/L	98	102	80-120	4	35	41026	EPA 6010A	05/26/98
Arsenic	2000	1983	2120	ug/L	99	106	80-120	7	35	41026	EPA 6010A	05/26/98
Barium	2000	2026	2045	ug/L	101	102	80-120	1	35	41026	EPA 6010A	05/26/98
Beryllium	50	51.65	51.9	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Cadmium	50	53.31	56.26	ug/L	107	113	80-120	5	35	41026	EPA 6010A	05/26/98
Calcium	20000	18120	18170	ug/L	91	91	80-120	0	35	41026	EPA 6010A	05/26/98
Chromium (total)	200	201.5	201.2	ug/L	101	101	80-120	0	35	41026	EPA 6010A	05/26/98
Cobalt	500	509.7	511.4	ug/L	102	102	80-120	0	35	41026	EPA 6010A	05/26/98
Copper	250	256.1	258.8	ug/L	102	104	80-120	1	35	41026	EPA 6010A	05/26/98
Iron	1000	1042	1043	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Lead	500	527	548	ug/L	105	110	80-120	4	35	41026	EPA 6010A	05/27/98
Magnesium	20000	20520	20690	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Manganese	500	500.6	503.7	ug/L	100	101	80-120	1	35	41026	EPA 6010A	05/26/98
Mercury	5	5.659	4.823	ug/L	113	97	80-120	16	35	40973	EPA 7470	05/20/98
Mercury	5	4.757	4.493	ug/L	95	90	80-120	6	35	41035	EPA 7470	05/22/98
Molybdenum	400	413.9	415	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Nickel	500	526.9	515.5	ug/L	105	103	80-120	2	35	41026	EPA 6010A	05/26/98
Potassium	20000	20320	20630	ug/L	102	103	80-120	2	35	41026	EPA 6010A	05/26/98
Selenium	2000	2110	2140	ug/L	106	107	80-120	1	35	41026	EPA 6010A	05/27/98
Silver	100	102.2	104.4	ug/L	102	104	80-120	2	35	41026	EPA 6010A	05/26/98
Sodium	20000	21380	21690	ug/L	107	109	80-120	1	35	41026	EPA 6010A	05/26/98
Thallium	2000	2240	2280	ug/L	112	114	80-120	2	35	41026	EPA 6010A	05/27/98
Vanadium	500	509.9	513.3	ug/L	102	103	80-120	1	35	41026	EPA 6010A	05/26/98
Zinc	500	519.2	527	ug/L	104	105	80-120	2	35	41026	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

BATCH QC REPORT
LABORATORY CONTROL SAMPLE

Compound	Spike Amt	Result	Units	% Rec.	QC Batch	Method	Analysis Date
Aluminum	2000	2065	ug/L	103	40949	EPA 6010A	05/26/98
Antimony	500	557	ug/L	111	40949	EPA 6010A	05/26/98
Arsenic	2000	2150	ug/L	108	40949	EPA 6010A	05/26/98
Barium	2000	2120	ug/L	106	40949	EPA 6010A	05/26/98
Beryllium	50	55.5	ug/L	111	40949	EPA 6010A	05/26/98
Cadmium	50	54.8	ug/L	110	40949	EPA 6010A	05/26/98
Calcium	20000	23610	ug/L	118	40949	EPA 6010A	05/26/98
Chromium (total)	200	219	ug/L	110	40949	EPA 6010A	05/26/98
Cobalt	500	559	ug/L	112	40949	EPA 6010A	05/26/98
Copper	250	278	ug/L	111	40949	EPA 6010A	05/26/98
Iron	1000	1158	ug/L	116	40949	EPA 6010A	05/26/98
Lead	500	554	ug/L	111	40949	EPA 6010A	05/26/98
Magnesium	20000	22800	ug/L	114	40949	EPA 6010A	05/26/98
Manganese	500	538	ug/L	108	40949	EPA 6010A	05/26/98
Molybdenum	400	451	ug/L	113	40949	EPA 6010A	05/26/98
Nickel	500	549	ug/L	110	40949	EPA 6010A	05/26/98
Potassium	20000	20410	ug/L	102	40949	EPA 6010A	05/26/98
Selenium	2000	2160	ug/L	108	40949	EPA 6010A	05/26/98
Silver	100	110	ug/L	110	40949	EPA 6010A	05/26/98
Sodium	20000	20520	ug/L	103	40949	EPA 6010A	05/26/98
Thallium	2000	2320	ug/L	116	40949	EPA 6010A	05/26/98
Vanadium	500	551	ug/L	110	40949	EPA 6010A	05/26/98
Zinc	500	547	ug/L	109	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

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
Aluminum	133698-008	<100.000	2000	2143	2129	ug/L	107	106	65-135	1	35	40949	EPA 6010A	05/26/98
Antimony	133698-008	<60.000	500	463	524	ug/L	93	105	65-135	12	35	40949	EPA 6010A	05/26/98
Arsenic	133698-008	<5.000	2000	2130	2070	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Barium	133698-008	14	2000	2090	2070	ug/L	104	103	65-135	1	35	40949	EPA 6010A	05/26/98
Beryllium	133698-008	<2.000	50	54.6	53	ug/L	109	106	65-135	3	35	40949	EPA 6010A	05/26/98
Cadmium	133698-008	<5.000	50	53.8	51.7	ug/L	108	103	65-135	4	35	40949	EPA 6010A	05/26/98
Calcium	133698-008	11000	20000	33230	32300	ug/L	111	106	65-135	3	35	40949	EPA 6010A	05/26/98
Chromium (total)	133698-008	<10.000	200	212	206	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Cobalt	133698-008	<20.000	500	549	531	ug/L	110	106	65-135	3	35	40949	EPA 6010A	05/26/98
Copper	133698-008	<10.000	250	275	273	ug/L	110	109	65-135	1	35	40949	EPA 6010A	05/26/98
Iron	133698-008	110	1000	1150	1119	ug/L	104	101	65-135	3	35	40949	EPA 6010A	05/26/98
Lead	133698-008	<3.000	500	542	528	ug/L	108	106	65-135	3	35	40949	EPA 6010A	05/26/98
Magnesium	133698-008	1100	20000	23630	23070	ug/L	113	110	65-135	2	35	40949	EPA 6010A	05/26/98
Manganese	133698-008	81	500	611	595	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Molybdenum	133698-008	39	400	473	462	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98
Nickel	133698-008	<20.000	500	537	519	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Potassium	133698-008	1200	20000	21640	21610	ug/L	102	102	65-135	0	35	40949	EPA 6010A	05/26/98
Selenium	133698-008	7.6	2000	2120	2070	ug/L	106	103	65-135	2	35	40949	EPA 6010A	05/26/98
Silver	133698-008	<5.000	100	107	107	ug/L	107	107	65-135	0	35	40949	EPA 6010A	05/26/98
Sodium	133698-008	4300	20000	24620	24510	ug/L	101	101	65-135	0	35	40949	EPA 6010A	05/26/98
Thallium	133698-008	<5.000	2000	2280	2230	ug/L	114	112	65-135	2	35	40949	EPA 6010A	05/26/98
Vanadium	133698-008	<10.000	500	541	529	ug/L	108	106	65-135	2	35	40949	EPA 6010A	05/26/98
Zinc	133698-008	<20.000	500	544	531	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133611-001	802.7	797.2	ug/L	1	20	41026	EPA 6010A	05/26/98
Antimony	133611-001	<60.000	<60.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Arsenic	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Barium	133611-001	50.8	50.59	ug/L	0	20	41026	EPA 6010A	05/26/98
Beryllium	133611-001	<2.000	<2.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cadmium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Calcium	133611-001	510800	487200	ug/L	5	20	41026	EPA 6010A	05/26/98
Chromium (total)	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cobalt	133611-001	<20.000	26.59	ug/L	NC	20	41026	EPA 6010A	05/26/98
Copper	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Iron	133611-001	10760	10730	ug/L	0	20	41026	EPA 6010A	05/26/98
Lead	133611-001	<3.000	<3.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Magnesium	133611-001	376600	358900	ug/L	5	20	41026	EPA 6010A	05/26/98
Manganese	133611-001	5630	5611	ug/L	0	20	41026	EPA 6010A	05/26/98
Mercury	133550-002	<0.200	<0.200	ug/L	NC	20	40973	EPA 7470	05/20/98
Mercury	133611-001	<0.200	<0.200	ug/L	NC	20	41035	EPA 7470	05/22/98
Molybdenum	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Nickel	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Potassium	133611-001	6358	6475	ug/L	2	20	41026	EPA 6010A	05/26/98
Selenium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Silver	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Sodium	133611-001	41100	40920	ug/L	0	20	41026	EPA 6010A	05/26/98
Thallium	133611-001	14.4	19.6	ug/L	31*	20	41026	EPA 6010A	05/27/98
Vanadium	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Zinc	133611-001	39.77	39.77	ug/L	0	20	41026	EPA 6010A	05/26/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133611

DATE REPORTED: 06/03/98

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	133611-001	802.7	2723	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Antimony	500	133611-001	<60.000	426.1	ug/L	85	65-135	41026	EPA 6010A	05/26/98
Arsenic	2000	133611-001	<5.000	2000	ug/L	100	65-135	41026	EPA 6010A	05/27/98
Barium	2000	133611-001	50.8	1928	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Beryllium	50	133611-001	<2.000	47.27	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cadmium	50	133611-001	<5.000	47.87	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Calcium	20000	133611-001	510800	555500	ug/L	224* NM	65-135	41026	EPA 6010A	05/26/98
Chromium (total)	200	133611-001	<10.000	190.2	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cobalt	500	133611-001	<20.000	473.1	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Copper	250	133611-001	<10.000	240.2	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Iron	1000	133611-001	10760	11340	ug/L	58* NM	65-135	41026	EPA 6010A	05/26/98
Lead	500	133611-001	<3.000	512	ug/L	102	65-135	41026	EPA 6010A	05/27/98
Magnesium	20000	133611-001	376600	425900	ug/L	247* NM	65-135	41026	EPA 6010A	05/26/98
Manganese	500	133611-001	5630	5908	ug/L	56* NM	65-135	41026	EPA 6010A	05/26/98
Mercury	5	133550-002	<0.200	4.573	ug/L	92	65-135	40973	EPA 7470	05/20/98
Mercury	5	133611-001	<0.200	3.851	ug/L	77	65-135	41035	EPA 7470	05/22/98
Molybdenum	400	133611-001	<20.000	370.3	ug/L	93	65-135	41026	EPA 6010A	05/26/98
Nickel	500	133611-001	<20.000	483.6	ug/L	97	65-135	41026	EPA 6010A	05/26/98
Potassium	20000	133611-001	6358	26200	ug/L	99	65-135	41026	EPA 6010A	05/26/98
Selenium	2000	133611-001	<5.000	2110	ug/L	106	65-135	41026	EPA 6010A	05/27/98
Silver	100	133611-001	<5.000	97.73	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Sodium	20000	133611-001	41100	60700	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Thallium	2000	133611-001	14.4	2100	ug/L	104	65-135	41026	EPA 6010A	05/27/98
Vanadium	500	133611-001	<10.000	467.7	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Zinc	500	133611-001	39.77	511.3	ug/L	94	65-135	41026	EPA 6010A	05/26/98

* = 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

May 23, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099240**
PO/CONTRACT: **Project #133611**

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 19 May 1998.

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 099240

Case Narrative

Quanterra's Quality Assurance Program

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Chain of Custody Documentation

Nitroaromatics and Nitramines - Method 8330
Includes Sample(s): 1
- Sample Data Sheet
- Laboratory QC Reports
- Initial Calibration Summary & Analysis Logs
- Continuing Calibration Summaries & Analysis Logs

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099240

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
099240-0001-SA	5497	AQUEOUS	13 MAY 98		19 MAY 98

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133611

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5497	13-MAY-98	Water	8330	133611-001.

***Please report using Sample ID instead of C&T Lab #.

Notes:

RELINQUISHED BY:		RECEIVED BY:	
Jacquelin	5/18/98 Date/Time	[illegible]	Date/Time 051998 08:5[illegible]
	Date/Time		Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Rec'd in good condition.
051998 [illegible]

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5497
LAB ID: 099240-0001-SA
Matrix: AQUEOUS Sampled: 13 MAY 98 Received: 19 MAY 98
Authorized: 19 MAY 98 Prepared: 20 MAY 98 Analyzed: 21 MAY 98

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	97 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson Approved By: Emily Uebelhoer

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)
099240-0001-SA	AQUEOUS	8330-LOW-A	20 MAY 98-11A	20 MAY 98-11A

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099240

Test: 8330-LOW-A
Method: 8330
Matrix: AQUEOUS
QC Lot: 20 MAY 98-11A
Analyzed: 21 MAY 98

Nitroaromatics and Nitramines by HPLC

QC Run: 20 MAY 98-11A
Time: 00:46

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	97	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099240

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 20 MAY 98-11A Analyzed Date: 21 MAY 98 Time: 02:13

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.568	0.588	114	118	65-135	3.5	35
1,3,5-Trinitrobenzene	0.500	0.560	0.567	112	113	65-135	1.3	35
RDX	0.500	0.510	0.538	102	108	65-135	5.4	35
1,3-Dinitrobenzene	0.500	0.537	0.548	107	110	65-135	2.0	35
Nitrobenzene	0.500	0.540	0.566	108	113	65-135	4.7	35
2,4,6-Trinitrotoluene	0.500	0.592	0.600	118	120	65-135	1.2	35
Tetryl	0.500	0.606	0.629	121	126	65-135	3.7	35
2,4-Dinitrotoluene	0.500	0.550	0.569	110	114	65-135	3.5	35
2,6-Dinitrotoluene	0.500	0.562	0.572	112	114	65-135	1.6	35
2-Am-DNT	0.500	0.541	0.600	108	120	65-135	10	35
4-Am-DNT	0.500	0.555	0.587	111	117	65-135	5.7	35
2-Nitrotoluene	0.500	0.560	0.511	112	102	65-135	9.2	35
4-Nitrotoluene	0.500	0.433	0.545	87	109	65-135	23	35
3-Nitrotoluene	0.500	0.509	0.552	102	110	65-135	8.1	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.7	100	104	65-135

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133860

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5557	133860-001
9022	133860-002
5557 RE	133860-003

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: 7.14.98
Title: Operations Manager

Signature: Carol Wrtheem Date: 7/13/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 133860 **Received Date: 05/29/98**
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on May 29, 1998.

Volatiles: No analytical problems were encountered.

Semi-volatiles: During the concentration step, the blank spike for batch 41248 was lost due to breakage. The client was informed and requested that we re-extract the sample past hold for the precision data they require. Sample 5557 (CT#133860-001) was relogged as 5557 RE (CT#133860-003), re-extracted in batch 41398, and reanalyzed. A high relative percent difference (1% high) was observed for 1,4-dichlorobenzene in the blank spike and spike duplicate for the re-extract batch 41398. A high relative standard deviation (%RSD) was observed for bis(2-ethylhexyl)phthalate in the initial calibration which was analyzed on May 19, 1998 (uej) and for di-n-octylphthalate in the initial calibration which was analyzed on June 1, 1998 (tf1). These compounds met the minimum response criteria and were not detected in the sample or method blanks. No other analytical problems were encountered.

PCBs: No analytical problems were encountered.

Metals: High relative percent differences (%RPDs) were observed for aluminum, arsenic, and selenium for the sample duplicate of 5557 (CT#133860-001). Spike recoveries outside the QC limits were observed for aluminum, barium, beryllium, cadmium, chromium, cobalt, iron, lead, manganese, molybdenum, nickel, thallium, and vanadium for the sample spike of CT#133822-002 which was not from this site. The spike recoveries for calcium, magnesium, potassium, and sodium in the sample spike of CT#133822-002 and for calcium in the sample spike of 5557 (CT#133860-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis.

133860

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052898CURT

Special Instructions: Samples Shipment Date:

Possible Hazard Identification:

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

Sample Disposal:

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

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

1. Received By (Signature/Affiliation) Date: 5/29/98 Time: 10
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5557	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L HDPE	2	HNO3 PH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5557	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5557	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
5557	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5557	PBOW-98-WELLS--IT-MW05-5555	28-MAY-98	13:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9022	PBOW-98-WELLS-IT-MW05-9022	28-MAY-98	11:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

003

773206
771481

Plumbook

Curtis & Tompkins, Ltd

COOLER RECEIPT CHECKLIST

Login#: 133860 Date Received: 5/29 Number of Coolers: 1
Client: FT Project: 773206

A. Preliminary Examination Phase
Date Opened: 5/29 By (print): J. Williams (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES NO
   If YES, enter carrier name and airbill number: Fedex 8001 9515 3776
2. Were custody seals on outside of cooler? ..... YES NO
   How many and where? 1 front Seal date: 5/28 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: 5.75°C

B. Login Phase
Date Logged In: 5/29 By (print): J. Williams (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:

Filename: F:\qc\forms\cooler.wpd

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5557
Lab ID: 133860-001
Matrix: Water
Batch#: 41337
Units: ug/L
Diln Fac: 1

Sampled: 05/28/98
Received: 05/29/98
Extracted: 06/08/98
Analyzed: 06/08/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	67	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	105	76-128
1,2-Dichloroethane-d4	103	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	109	84-115

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9022
Lab ID: 133860-002
Matrix: Water
Batch#: 41337
Units: ug/L
Diln Fac: 1

Sampled: 05/28/98
Received: 05/29/98
Extracted: 06/08/98
Analyzed: 06/08/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	106	76-128
1,2-Dichloroethane-d4	101	85-121
Toluene-d8	103	92-110
Bromofluorobenzene	110	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41337
Units: ug/L
Diln Fac: 1

Prep Date: 06/08/98
Analysis Date: 06/08/98

MB Lab ID: QC72346

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	108	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41337
Units: ug/L
Diln Fac: 1

Prep Date: 06/08/98
Analysis Date: 06/08/98

MB Lab ID: QC72347

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	103	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	107	84-115

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41337
Units: ug/L
Diln Fac: 1

Prep Date: 06/08/98
Analysis Date: 06/08/98

BS Lab ID: QC72344

Analyte	Spike Added	BS	%Rec	#	Limits
1,1-Dichloroethene	50	52.19	104		69-137
Benzene	50	52.77	106		87-117
Trichloroethene	50	53.43	107		83-116
Toluene	50	56.39	113		88-116
Chlorobenzene	50	54.89	110		87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	99	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	100	84-115

BSD Lab ID: QC72345

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
1,1-Dichloroethene	50	49.6	99		69-137	5		14
Benzene	50	51.2	102		87-117	3		10
Trichloroethene	50	51.52	103		83-116	4		10
Toluene	50	53.97	108		88-116	4		10
Chlorobenzene	50	53.22	106		87-117	3		10

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	99	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	99	84-115

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#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5557	Sampled:	05/28/98
Lab ID:	133860-001	Received:	05/29/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41248	Analyzed:	06/09/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	52
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	52
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	52
4-Nitrophenol	ND	52
4,6-Dinitro-2-methylphenol	ND	52
Pentachlorophenol	ND	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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	52
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	52
Dimethylphthalate	ND	10
Acenaphthylene	ND	10

Semivolatile Organics by GC/MS

Field ID:	5557	Sampled:	05/28/98
Lab ID:	133860-001	Received:	05/29/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41248	Analyzed:	06/09/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	52
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	52
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	52
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	%Recovery	Recovery Limits
2-Fluorophenol	94	17-107
Phenol-d5	97	18-115
2,4,6-Tribromophenol	100	14-121
Nitrobenzene-d5	105	36-115
2-Fluorobiphenyl	95	36-113
Terphenyl-d14	58	17-115

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5557 RE	Sampled:	05/28/98
Lab ID:	133860-003	Received:	05/29/98
Matrix:	Water	Extracted:	06/10/98
Batch#:	41398	Analyzed:	06/12/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	52
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	52
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	52
4-Nitrophenol	ND	52
4,6-Dinitro-2-methylphenol	ND	52
Pentachlorophenol	ND	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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	52
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	52
Dimethylphthalate	ND	10
Acenaphthylene	ND	10

Semivolatile Organics by GC/MS

Field ID:	5557 RE	Sampled:	05/28/98
Lab ID:	133860-003	Received:	05/29/98
Matrix:	Water	Extracted:	06/10/98
Batch#:	41398	Analyzed:	06/12/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	52
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	52
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	52
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	%Recovery	Recovery Limits
2-Fluorophenol	74	17-107
Phenol-d5	76	18-115
2,4,6-Tribromophenol	70	14-121
Nitrobenzene-d5	77	36-115
2-Fluorobiphenyl	77	36-113
Terphenyl-d14	51	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

MB Lab ID: QC72021

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

MB Lab ID: QC72021

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	90	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	88	14-121
Nitrobenzene-d5	94	36-115
2-Fluorobiphenyl	89	36-113
Terphenyl-d14	88	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

MB Lab ID: QC72558

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

MB Lab ID: QC72558

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	84	17-107
Phenol-d5	83	18-115
2,4,6-Tribromophenol	74	14-121
Nitrobenzene-d5	81	36-115
2-Fluorobiphenyl	79	36-113
Terphenyl-d14	72	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

LCS Lab ID: QC72023

Analyte	Result	Spike Added	%Rec #	Limits
Phenol	80.68	100	81	45-110
2-Chlorophenol	85.63	100	86	50-110
4-Chloro-3-methylphenol	74.07	100	74	48-110
4-Nitrophenol	63.53	100	64	30-110
Pentachlorophenol	67.44	100	67	10-110
1,4-Dichlorobenzene	39.73	50	79	38-110
N-Nitroso-di-n-propylamine	28.08	50	56	29-110
1,2,4-Trichlorobenzene	37.73	50	75	41-110
Acenaphthene	41.52	50	83	50-110
2,4-Dinitrotoluene	41.25	50	82	40-110
Pyrene	36.5	50	73	43-110

Surrogate	%Rec	Limits
2-Fluorophenol	93	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	94	14-121
Nitrobenzene-d5	94	36-115
2-Fluorobiphenyl	93	36-113
Terphenyl-d14	86	17-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 11 outside limits

Lab #: 133860 BATCH QC REPORT Curtis & Tompkins, Ltd.

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

BS Lab ID: QC72559

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	92.29	92		45-110
2-Chlorophenol	100	90.64	91		50-110
4-Chloro-3-methylphenol	100	91.41	91		48-110
4-Nitrophenol	100	85.46	85		30-110
Pentachlorophenol	100	82.03	82		10-110
1,4-Dichlorobenzene	50	43.39	87		38-110
N-Nitroso-di-n-propylamine	50	50.7	101		29-110
1,2,4-Trichlorobenzene	50	44.88	90		41-110
Acenaphthene	50	45.76	92		50-110
2,4-Dinitrotoluene	50	43.6	87		40-110
Pyrene	50	39.04	78		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	99	17-107
Phenol-d5	97	18-115
2,4,6-Tribromophenol	90	14-121
Nitrobenzene-d5	97	36-115
2-Fluorobiphenyl	94	36-113
Terphenyl-d14	84	17-115

BSD Lab ID: QC72560

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	77.66	78		45-110	17		23
2-Chlorophenol	100	75.24	75		50-110	19		23
4-Chloro-3-methylphenol	100	76.79	77		48-110	17		20
4-Nitrophenol	100	71.48	71		30-110	18		26
Pentachlorophenol	100	68.59	69		10-110	18		44
1,4-Dichlorobenzene	50	34.94	70		38-110	22	*	21
N-Nitroso-di-n-propylamine	50	42.51	85		29-110	18		22
1,2,4-Trichlorobenzene	50	36.9	74		41-110	20		21
Acenaphthene	50	38.86	78		50-110	16		18
2,4-Dinitrotoluene	50	36.98	74		40-110	16		19
Pyrene	50	33.84	68		43-110	14		19

Surrogate	%Rec	Limits
2-Fluorophenol	80	17-107
Phenol-d5	80	18-115
2,4,6-Tribromophenol	76	14-121
Nitrobenzene-d5	81	36-115
2-Fluorobiphenyl	80	36-113
Terphenyl-d14	72	17-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5557	Sampled:	05/28/98
Lab ID:	133860-001	Received:	05/29/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41250	Analyzed:	06/05/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.52
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.52
Aroclor-1242	ND	0.52
Aroclor-1248	ND	0.52
Aroclor-1254	ND	0.52
Aroclor-1260	ND	0.52

Surrogate	%Recovery	Recovery Limits
TCMX	71	19-130
Decachlorobiphenyl	50	22-110

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	06/02/98
Batch#:	41250	Analysis Date:	06/05/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC72027

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	82	19-130
Decachlorobiphenyl	74	22-110

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix:	Water	Prep Date:	06/02/98
Batch#:	41250	Analysis Date:	06/05/98
Units:	ug/L		
Diln Fac:	1		

BS Lab ID: QC72028

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	3.5	69		61-119

Surrogate	%Rec	Limits
TCMX	82	19-130
Decachlorobiphenyl	103	22-110

BSD Lab ID: QC72029

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	3.6	73		61-119	5		15

Surrogate	%Rec	Limits
TCMX	84	19-130
Decachlorobiphenyl	109	22-110

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: 5557
LAB ID: 133860-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/28/98
DATE RECEIVED: 05/29/98
DATE REPORTED: 06/10/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	180	100	1	41355	EPA 6010A	06/09/98
Antimony	ND	60	1	41355	EPA 6010A	06/09/98
Arsenic	12	5.0	1	41355	EPA 6010A	06/09/98
Barium	180	10	1	41355	EPA 6010A	06/09/98
Beryllium	ND	2.0	1	41355	EPA 6010A	06/09/98
Cadmium	ND	5.0	1	41355	EPA 6010A	06/09/98
Calcium	91000	500	1	41355	EPA 6010A	06/09/98
Chromium (total)	ND	10	1	41355	EPA 6010A	06/09/98
Cobalt	ND	20	1	41355	EPA 6010A	06/09/98
Copper	ND	10	1	41355	EPA 6010A	06/09/98
Iron	430	100	1	41355	EPA 6010A	06/09/98
Lead	ND	3.0	1	41355	EPA 6010A	06/09/98
Magnesium	35000	500	1	41355	EPA 6010A	06/09/98
Manganese	200	10	1	41355	EPA 6010A	06/09/98
Mercury	ND	0.20	1	41241	EPA 7470	06/03/98
Molybdenum	47	20	1	41355	EPA 6010A	06/09/98
Nickel	ND	20	1	41355	EPA 6010A	06/09/98
Potassium	1900	500	1	41355	EPA 6010A	06/09/98
Selenium	5.3	5.0	1	41355	EPA 6010A	06/09/98
Silver	ND	5.0	1	41355	EPA 6010A	06/09/98
Sodium	19000	500	1	41355	EPA 6010A	06/09/98
Thallium	ND	5.0	1	41355	EPA 6010A	06/09/98
Vanadium	ND	10	1	41355	EPA 6010A	06/09/98
Zinc	ND	20	1	41355	EPA 6010A	06/09/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5557
LAB ID: 133860-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/28/98
DATE RECEIVED: 05/29/98
DATE REPORTED: 06/10/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	3900	100	1	41296	EPA 6010A	06/08/98
Antimony	ND	60	1	41296	EPA 6010A	06/08/98
Arsenic	11	5.0	1	41296	EPA 6010A	06/08/98
Barium	250	10	1	41296	EPA 6010A	06/08/98
Beryllium	ND	2.0	1	41296	EPA 6010A	06/08/98
Cadmium	ND	5.0	1	41296	EPA 6010A	06/08/98
Calcium	120000	500	1	41296	EPA 6010A	06/08/98
Chromium (total)	ND	10	1	41296	EPA 6010A	06/08/98
Cobalt	ND	20	1	41296	EPA 6010A	06/08/98
Copper	ND	10	1	41296	EPA 6010A	06/08/98
Iron	6700	100	1	41296	EPA 6010A	06/08/98
Lead	11	3.0	1	41296	EPA 6010A	06/08/98
Magnesium	42000	500	1	41296	EPA 6010A	06/08/98
Manganese	370	10	1	41296	EPA 6010A	06/08/98
Mercury	ND	0.20	1	41240	EPA 7470	06/02/98
Molybdenum	25	20	1	41296	EPA 6010A	06/08/98
Nickel	ND	20	1	41296	EPA 6010A	06/08/98
Potassium	3500	500	1	41296	EPA 6010A	06/09/98
Selenium	ND	5.0	1	41296	EPA 6010A	06/08/98
Silver	ND	5.0	1	41296	EPA 6010A	06/08/98
Sodium	21000	500	1	41296	EPA 6010A	06/09/98
Thallium	ND	5.0	1	41296	EPA 6010A	06/08/98
Vanadium	ND	10	1	41296	EPA 6010A	06/08/98
Zinc	28	20	1	41296	EPA 6010A	06/08/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	41296	EPA 6010A	06/08/98
Aluminum	ND	100	ug/L	1	41355	EPA 6010A	06/09/98
Antimony	ND	60	ug/L	1	41296	EPA 6010A	06/08/98
Antimony	ND	60	ug/L	1	41355	EPA 6010A	06/09/98
Arsenic	ND	5	ug/L	1	41296	EPA 6010A	06/08/98
Arsenic	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Barium	ND	10	ug/L	1	41296	EPA 6010A	06/08/98
Barium	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Beryllium	ND	2	ug/L	1	41296	EPA 6010A	06/08/98
Beryllium	ND	2	ug/L	1	41355	EPA 6010A	06/09/98
Cadmium	ND	5	ug/L	1	41296	EPA 6010A	06/08/98
Cadmium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Calcium	ND	500	ug/L	1	41296	EPA 6010A	06/08/98
Calcium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Chromium (total)	ND	10	ug/L	1	41296	EPA 6010A	06/08/98
Chromium (total)	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Cobalt	ND	20	ug/L	1	41296	EPA 6010A	06/08/98
Cobalt	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Copper	ND	10	ug/L	1	41296	EPA 6010A	06/08/98
Copper	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Iron	ND	100	ug/L	1	41296	EPA 6010A	06/08/98
Iron	ND	100	ug/L	1	41355	EPA 6010A	06/09/98
Lead	ND	3	ug/L	1	41296	EPA 6010A	06/08/98
Lead	ND	3	ug/L	1	41355	EPA 6010A	06/09/98
Magnesium	ND	500	ug/L	1	41296	EPA 6010A	06/08/98
Magnesium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Manganese	ND	10	ug/L	1	41296	EPA 6010A	06/08/98
Manganese	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Mercury	ND	0.2	ug/L	1	41240	EPA 7470	06/02/98
Mercury	ND	0.2	ug/L	1	41241	EPA 7470	06/03/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	41296	EPA 6010A	06/08/98
Molybdenum	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Nickel	ND	20	ug/L	1	41296	EPA 6010A	06/08/98
Nickel	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Potassium	ND	500	ug/L	1	41296	EPA 6010A	06/09/98
Potassium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Selenium	ND	5	ug/L	1	41296	EPA 6010A	06/08/98
Selenium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Silver	ND	5	ug/L	1	41296	EPA 6010A	06/08/98
Silver	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Sodium	ND	500	ug/L	1	41296	EPA 6010A	06/09/98
Sodium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Thallium	ND	5	ug/L	1	41296	EPA 6010A	06/08/98
Thallium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Vanadium	ND	10	ug/L	1	41296	EPA 6010A	06/08/98
Vanadium	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Zinc	ND	20	ug/L	1	41296	EPA 6010A	06/08/98
Zinc	ND	20	ug/L	1	41355	EPA 6010A	06/09/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

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	2352	2369	ug/L	118	119	80-120	1	35	41296	EPA 6010A	06/08/98
Aluminum	2000	2106	2115	ug/L	105	106	80-120	0	35	41355	EPA 6010A	06/09/98
Antimony	500	546	556	ug/L	109	111	80-120	2	35	41296	EPA 6010A	06/08/98
Antimony	500	526	523	ug/L	105	105	80-120	1	35	41355	EPA 6010A	06/09/98
Arsenic	2000	2000	2040	ug/L	100	102	80-120	2	35	41296	EPA 6010A	06/08/98
Arsenic	2000	2040	2040	ug/L	102	102	80-120	0	35	41355	EPA 6010A	06/09/98
Barium	2000	2030	2060	ug/L	102	103	80-120	2	35	41296	EPA 6010A	06/08/98
Barium	2000	2130	2130	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Beryllium	50	58.1	58.9	ug/L	116	118	80-120	1	35	41296	EPA 6010A	06/08/98
Beryllium	50	52.6	53	ug/L	105	106	80-120	1	35	41355	EPA 6010A	06/09/98
Cadmium	50	51.7	52.3	ug/L	103	105	80-120	1	35	41296	EPA 6010A	06/08/98
Cadmium	50	54.6	55.9	ug/L	109	112	80-120	2	35	41355	EPA 6010A	06/09/98
Calcium	20000	21480	21960	ug/L	107	110	80-120	2	35	41296	EPA 6010A	06/08/98
Calcium	20000	20490	20530	ug/L	103	103	80-120	0	35	41355	EPA 6010A	06/09/98
Chromium (total)	200	210	214	ug/L	105	107	80-120	2	35	41296	EPA 6010A	06/08/98
Chromium (total)	200	210	212	ug/L	105	106	80-120	1	35	41355	EPA 6010A	06/09/98
Cobalt	500	538	550	ug/L	108	110	80-120	2	35	41296	EPA 6010A	06/08/98
Cobalt	500	535	540	ug/L	107	108	80-120	1	35	41355	EPA 6010A	06/09/98
Copper	250	271	273	ug/L	108	109	80-120	1	35	41296	EPA 6010A	06/08/98
Copper	250	269	269	ug/L	108	108	80-120	0	35	41355	EPA 6010A	06/09/98
Iron	1000	1100	1093	ug/L	110	109	80-120	1	35	41296	EPA 6010A	06/08/98
Iron	1000	1062	1058	ug/L	106	106	80-120	0	35	41355	EPA 6010A	06/09/98
Lead	500	521	536	ug/L	104	107	80-120	3	35	41296	EPA 6010A	06/08/98
Lead	500	534	533	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Magnesium	20000	21200	21490	ug/L	106	108	80-120	1	35	41296	EPA 6010A	06/08/98
Magnesium	20000	21500	21560	ug/L	108	108	80-120	0	35	41355	EPA 6010A	06/09/98
Manganese	500	519	530	ug/L	104	106	80-120	2	35	41296	EPA 6010A	06/08/98
Manganese	500	514	517	ug/L	103	103	80-120	1	35	41355	EPA 6010A	06/09/98
Mercury	5	5.366	4.769	ug/L	107	95	80-120	12	35	41240	EPA 7470	06/02/98
Mercury	5	5.07	4.626	ug/L	101	93	80-120	9	35	41241	EPA 7470	06/03/98
Molybdenum	400	437	445	ug/L	109	111	80-120	2	35	41296	EPA 6010A	06/08/98
Molybdenum	400	437	433	ug/L	109	108	80-120	1	35	41355	EPA 6010A	06/09/98
Nickel	500	531	542	ug/L	106	108	80-120	2	35	41296	EPA 6010A	06/08/98
Nickel	500	546	546	ug/L	109	109	80-120	0	35	41355	EPA 6010A	06/09/98
Potassium	20000	20060	20380	ug/L	100	102	80-120	2	35	41296	EPA 6010A	06/09/98
Potassium	20000	20850	21170	ug/L	104	106	80-120	2	35	41355	EPA 6010A	06/09/98
Selenium	2000	2050	2100	ug/L	103	105	80-120	2	35	41296	EPA 6010A	06/08/98
Selenium	2000	2070	2060	ug/L	104	103	80-120	1	35	41355	EPA 6010A	06/09/98
Silver	100	104	106	ug/L	104	106	80-120	2	35	41296	EPA 6010A	06/08/98
Silver	100	106	107	ug/L	106	107	80-120	1	35	41355	EPA 6010A	06/09/98
Sodium	20000	20830	20830	ug/L	104	104	80-120	0	35	41296	EPA 6010A	06/09/98
Sodium	20000	21000	21020	ug/L	105	105	80-120	0	35	41355	EPA 6010A	06/09/98
Thallium	2000	2210	2260	ug/L	111	113	80-120	2	35	41296	EPA 6010A	06/08/98
Thallium	2000	2250	2260	ug/L	113	113	80-120	0	35	41355	EPA 6010A	06/09/98
Vanadium	500	534	544	ug/L	107	109	80-120	2	35	41296	EPA 6010A	06/08/98
Vanadium	500	535	537	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Zinc	500	529	542	ug/L	106	108	80-120	2	35	41296	EPA 6010A	06/08/98
Zinc	500	539	542	ug/L	108	108	80-120	1	35	41355	EPA 6010A	06/09/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

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	133789-003	<0.200	5	4.439	4.38	ug/L	89	88	65-135	1	35	41241	EPA 7470	06/03/98
Mercury	133789-004	<0.200	5	4.827	4.38	ug/L	97	88	65-135	1	35	41241	EPA 7470	06/03/98
Mercury	133802-001	<0.200	5	5.005	4.38	ug/L	100	88	65-135	1	35	41241	EPA 7470	06/03/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133822-002	<100.000	125.4	ug/L	NC	20	41296	EPA 6010A	06/08/98
Aluminum	133860-001	182.8	117.5	ug/L	48*	20	41355	EPA 6010A	06/09/98
Antimony	133822-002	<60.000	<60.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Antimony	133860-001	<60.000	<60.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Arsenic	133822-002	<5.000	<5.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Arsenic	133860-001	12.1	8.2	ug/L	38*	20	41355	EPA 6010A	06/09/98
Barium	133822-002	<10.000	<10.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Barium	133860-001	175	176	ug/L	2	20	41355	EPA 6010A	06/09/98
Beryllium	133822-002	5.95	6.41	ug/L	7	20	41296	EPA 6010A	06/08/98
Beryllium	133860-001	<2.000	<2.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Cadmium	133822-002	<5.000	<5.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Cadmium	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Calcium	133822-002	130700	140500	ug/L	7	20	41296	EPA 6010A	06/08/98
Calcium	133860-001	91470	92200	ug/L	1	20	41355	EPA 6010A	06/09/98
Chromium (total)	133822-002	<10.000	<10.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Chromium (total)	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Cobalt	133822-002	<20.000	<20.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Cobalt	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Copper	133822-002	71.7	86.5	ug/L	19	20	41296	EPA 6010A	06/08/98
Copper	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Iron	133822-002	<100.000	<100.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Iron	133860-001	430.4	443.1	ug/L	5	20	41355	EPA 6010A	06/09/98
Lead	133822-002	<3.000	<3.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Lead	133860-001	<3.000	<3.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Magnesium	133822-002	1587000	1391000	ug/L	13	20	41296	EPA 6010A	06/09/98
Magnesium	133860-001	34670	35400	ug/L	4	20	41355	EPA 6010A	06/09/98
Manganese	133822-002	<10.000	<10.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Manganese	133860-001	197	204	ug/L	2	20	41355	EPA 6010A	06/09/98
Mercury	133819-001	<0.200	<0.200	ug/L	NC	20	41240	EPA 7470	06/02/98
Molybdenum	133822-002	<20.000	<20.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Molybdenum	133860-001	47	45.8	ug/L	4	20	41355	EPA 6010A	06/09/98
Nickel	133822-002	<20.000	<20.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Nickel	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Potassium	133822-002	457100	407000	ug/L	12	20	41296	EPA 6010A	06/09/98
Potassium	133860-001	1859	1729	ug/L	7	20	41355	EPA 6010A	06/09/98
Selenium	133822-002	<5.000	<5.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Selenium	133860-001	5.28	7.65	ug/L	37*	20	41355	EPA 6010A	06/09/98
Silver	133822-002	<5.000	<5.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Silver	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Sodium	133822-002	13600000	12000000	ug/L	11	20	41296	EPA 6010A	06/09/98
Sodium	133860-001	19350	19320	ug/L	0	20	41355	EPA 6010A	06/09/98
Thallium	133822-002	<5.000	<5.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Thallium	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Vanadium	133822-002	<10.000	<10.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Vanadium	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Zinc	133822-002	<20.000	<20.000	ug/L	NC	20	41296	EPA 6010A	06/08/98
Zinc	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd

CLIENT: IT Corporation
JOB NUMBER: 133860

DATE REPORTED: 06/10/98

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	133822-002	<100.000	2943	ug/L	147*	65-135	41296	EPA 6010A	06/08/98
Aluminum	2000	133860-001	182.8	2474	ug/L	114	65-135	41355	EPA 6010A	06/09/98
Antimony	500	133822-002	<60.000	429	ug/L	86	65-135	41296	EPA 6010A	06/08/98
Antimony	500	133860-001	<60.000	380	ug/L	76	65-135	41355	EPA 6010A	06/09/98
Arsenic	2000	133822-002	<5.000	1290	ug/L	65	65-135	41296	EPA 6010A	06/08/98
Arsenic	2000	133860-001	12.1	1930	ug/L	97	65-135	41355	EPA 6010A	06/09/98
Barium	2000	133822-002	<10.000	1250	ug/L	63*	65-135	41296	EPA 6010A	06/08/98
Barium	2000	133860-001	175	2170	ug/L	100	65-135	41355	EPA 6010A	06/09/98
Beryllium	50	133822-002	5.95	25.5	ug/L	39*	65-135	41296	EPA 6010A	06/08/98
Beryllium	50	133860-001	<2.000	48.1	ug/L	96	65-135	41355	EPA 6010A	06/09/98
Cadmium	50	133822-002	<5.000	21.3	ug/L	43*	65-135	41296	EPA 6010A	06/08/98
Cadmium	50	133860-001	<5.000	49.6	ug/L	99	65-135	41355	EPA 6010A	06/09/98
Calcium	20000	133822-002	130700	376200	ug/L	1228* NM	65-135	41296	EPA 6010A	06/09/98
Calcium	20000	133860-001	91470	109100	ug/L	88 NM	65-135	41355	EPA 6010A	06/09/98
Chromium (total)	200	133822-002	<10.000	94	ug/L	47*	65-135	41296	EPA 6010A	06/08/98
Chromium (total)	200	133860-001	<10.000	191	ug/L	96	65-135	41355	EPA 6010A	06/09/98
Cobalt	500	133822-002	<20.000	271	ug/L	54*	65-135	41296	EPA 6010A	06/08/98
Cobalt	500	133860-001	<20.000	490	ug/L	98	65-135	41355	EPA 6010A	06/09/98
Copper	250	133822-002	71.7	368	ug/L	119	65-135	41296	EPA 6010A	06/08/98
Copper	250	133860-001	<10.000	262	ug/L	105	65-135	41355	EPA 6010A	06/09/98
Iron	1000	133822-002	<100.000	447.9	ug/L	45*	65-135	41296	EPA 6010A	06/08/98
Iron	1000	133860-001	430.4	1371	ug/L	95	65-135	41355	EPA 6010A	06/09/98
Lead	500	133822-002	<3.000	273	ug/L	55*	65-135	41296	EPA 6010A	06/08/98
Lead	500	133860-001	<3.000	493	ug/L	99	65-135	41355	EPA 6010A	06/09/98
Magnesium	20000	133822-002	1587000	1330000	ug/L	-1285* NM	65-135	41296	EPA 6010A	06/09/98
Magnesium	20000	133860-001	34670	54590	ug/L	103	65-135	41355	EPA 6010A	06/09/98
Manganese	500	133822-002	<10.000	249	ug/L	50*	65-135	41296	EPA 6010A	06/08/98
Manganese	500	133860-001	197	662	ug/L	92	65-135	41355	EPA 6010A	06/09/98
Mercury	5	133819-001	<0.200	4.479	ug/L	90	65-135	41240	EPA 7470	06/02/98
Molybdenum	400	133822-002	<20.000	238	ug/L	60*	65-135	41296	EPA 6010A	06/08/98
Molybdenum	400	133860-001	47	440	ug/L	98	65-135	41355	EPA 6010A	06/09/98
Nickel	500	133822-002	<20.000	260	ug/L	52*	65-135	41296	EPA 6010A	06/08/98
Nickel	500	133860-001	<20.000	510	ug/L	102	65-135	41355	EPA 6010A	06/09/98
Potassium	20000	133822-002	457100	418300	ug/L	-194* NM	65-135	41296	EPA 6010A	06/09/98
Potassium	20000	133860-001	1859	21680	ug/L	99	65-135	41355	EPA 6010A	06/09/98
Selenium	2000	133822-002	<5.000	1370	ug/L	69	65-135	41296	EPA 6010A	06/08/98
Selenium	2000	133860-001	5.28	2000	ug/L	100	65-135	41355	EPA 6010A	06/09/98
Silver	100	133822-002	<5.000	129	ug/L	129	65-135	41296	EPA 6010A	06/08/98
Silver	100	133860-001	<5.000	94.9	ug/L	95	65-135	41355	EPA 6010A	06/09/98
Sodium	20000	133822-002	13600000	11290000	ug/L	-11550* NM	65-135	41296	EPA 6010A	06/09/98
Sodium	20000	133860-001	19350	38770	ug/L	97	65-135	41355	EPA 6010A	06/09/98
Thallium	2000	133822-002	<5.000	1070	ug/L	54*	65-135	41296	EPA 6010A	06/08/98
Thallium	2000	133860-001	<5.000	2110	ug/L	106	65-135	41355	EPA 6010A	06/09/98
Vanadium	500	133822-002	<10.000	265	ug/L	53*	65-135	41296	EPA 6010A	06/08/98
Vanadium	500	133860-001	<10.000	490	ug/L	98	65-135	41355	EPA 6010A	06/09/98
Zinc	500	133822-002	<20.000	422	ug/L	84	65-135	41296	EPA 6010A	06/08/98
Zinc	500	133860-001	<20.000	500	ug/L	100	65-135	41355	EPA 6010A	06/09/98

* = 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

June 16, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099485**
PO/CONTRACT: **Project #133860**

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 02 June 1998.

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/rr

Quanterra
Environmental Services

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Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099485

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
099485-0001-SA	5557	AQUEOUS	28 MAY 98		02 JUN 98

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133860

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

[redacted]

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5557	28-MAY-98	Water	8330	133860-001

***Please report using Sample ID instead of C&T Lab #.

Notes:

RELINQUISHED BY:	RECEIVED BY:
[illegible] 6/1/98 Date/Time	[illegible] 060298 08:35 Date/Time
Date/Time	Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Sample rec'd in good condition. 060298 [illegible]

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5557
LAB ID: 099485-0001-SA
Matrix: AQUEOUS — Sampled: 28 MAY 98 — Received: 02 JUN 98
Authorized: 02 JUN 98 — Prepared: 03 JUN 98 — Analyzed: 04 JUN 98

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	93 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson — Approved By: Emily Uebelhoer

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)
099485-0001-SA	AQUEOUS	8330-LOW-A	03 JUN 98-11D	03 JUN 98-11D

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099485

Test: 8330-LOW-A
Method: 8330
Matrix: AQUEOUS
QC Lot: 03 JUN 98-11D
Analyzed: 03 JUN 98

Nitroaromatics and Nitramines by HPLC

QC Run: 03 JUN 98-11D
Time: 21:41

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	100	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099485

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 03 JUN 98-11D Analyzed Date: 03 JUN 98 Time: 23:07

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.541	0.571	108	114	65-135	5.4	35
1,3,5-Trinitrobenzene	0.500	0.601	0.608	120	122	65-135	1.1	35
RDX	0.500	0.621	0.635	124	127	65-135	2.3	35
1,3-Dinitrobenzene	0.500	0.540	0.564	108	113	65-135	4.4	35
Nitrobenzene	0.500	0.536	0.577	107	115	65-135	7.2	35
2,4,6-Trinitrotoluene	0.500	0.571	0.612	114	122	65-135	6.8	35
Tetryl	0.500	0.610	0.625	122	125	65-135	2.4	35
2,4-Dinitrotoluene	0.500	0.538	0.570	108	114	65-135	5.9	35
2,6-Dinitrotoluene	0.500	0.560	0.558	112	112	65-135	0.38	35
2-Am-DNT	0.500	0.518	0.553	104	111	65-135	6.6	35
4-Am-DNT	0.500	0.532	0.547	106	109	65-135	2.7	35
2-Nitrotoluene	0.500	0.593	0.530	119	106	65-135	11	35
4-Nitrotoluene	0.500	0.575	0.539	115	108	65-135	6.4	35
3-Nitrotoluene	0.500	0.513	0.534	103	107	65-135	4.1	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.5	100	95	65-135

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133881

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5617	133881-001
9024	133881-002
5617 RE	133881-003

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: 7/14/98
Title: Operations Manager

Signature: Carol Wortham Date: 7/14/98
Title: Project Manager

Laboratory Numbers: 133881 **Received Date: 06/**

Curtis & Tompkins, Ltd.

Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on June 1, 1998.

Volatiles: Methylene chloride was detected at 7 ug/L in the method blank for batch 41311. Sample 9024 (CT#133881-002) was the only sample analyzed in this batch and methylene chloride was not detected. High spike recoveries were observed for toluene and chlorobenzene in the matrix spike and toluene in the matrix spike duplicate of CT#133921-001. These outliers should not affect the quality of the data as the sample spiked was not from this site. Slightly high relative standard deviation (%RSD) was observed for methylene chloride in the initial calibration analyzed on June 3, 1998 (cf3) due to low level laboratory contamination. Linear regression was not performed for the analyte because it would artificially distort low level results. This compound was not detected in the samples. No other analytical problems were encountered.

Semi-volatiles: During the concentration step, the blank spike for batch 41248 was lost due to breakage. The client was informed and requested that we re-extract the sample past hold for the precision data they require. Sample 5557 (CT#133860-001) was relogged as 5557 RE (CT#133860-003), re-extracted in batch 41398, and reanalyzed. A high relative percent difference (1% high) was observed for 1,4-dichlorobenzene in the blank spike and spike duplicate for the re-extract batch 41398. A high relative standard deviation (%RSD) was observed for bis(2-ethylhexyl)phthalate in the initial calibration which was analyzed on May 19, 1998 (uej) and for di-n-octylphthalate in the initial calibration which was analyzed on June 1, 1998 (tf1). These compounds met the minimum response criteria and were not detected in the sample or method blanks. No other analytical problems were encountered.

PCBs: No analytical problems were encountered.

Metals: High relative percent differences (%RPDs) were observed for aluminum, arsenic, and selenium for the sample duplicate of 5557 (CT#133860-001) and for nickel in the sample spike of CT#133885-008. The spike recoveries for calcium and sodium in the sample spike of CT#133885-008 and for calcium in the sample spike of 5557 (CT#133860-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis.

133881

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052998CURT

Project Number: 773206

Samples Shipment Date: 29-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Curtis and Tomkins Lab

Sample Coordinator: Duane Nielsen

Lab Contact: Carol Wortham (PM) or

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/800185091307

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Identification:

Non-hazard | | Flammable | | Skin Irritant | | Poison B | | Unknown X

1. Relinquished By (Signature/Affiliation) — Date: 5/29/98 Time: 1600

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

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

Sample Disposal:

Return to Client | | Disposal by Lab + Archive (mos.)

1. Received By (Signature/Affiliation) — Date: Time:

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

3. Received By (Signature/Affiliation) — Date: 6/1/98 Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5617	PBOW-98-GW-TWTAMW10-5617	29-MAY-98	09:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5617	PBOW-98-GW-TWTAMW10-5617	29-MAY-98	09:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5617	PBOW-98-GW-TWTAMW10-5617	29-MAY-98	09:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5617	PBOW-98-GW-TWTAMW10-5617	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5617	PBOW-98-GW-TWTAMW10-5617	29-MAY-98	09:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9024	PBOW-98-GW-TWTAMW10-9024	29-MAY-98	11:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

2003

Plumbrook

Curtis & Tompkins, Ltd

COOLER RECEIPT CHECKLIST

Login#: 13388/ Date Received: 6/1 Number of Coolers: 1
Client: FT Project: Plumbrook 773206

A. Preliminary Examination Phase
Date Opened: 6/1 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 8001 8509 1307
2. Were custody seals on outside of cooler? ..... (YES) NO
   How many and where? 1 Front Seal date: 5/29 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: wet Temperature: 5.25°C

B. Login Phase
Date Logged In: 6/1 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:

CUSTODY SEA

Filename: F:\qc\forms\cooler.wpd

DATE:

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5617
Lab ID: 133881-001
Matrix: Water
Batch#: 41359
Units: ug/L
Diln Fac: 1

Sampled: 05/29/98
Received: 05/30/98
Extracted: 06/09/98
Analyzed: 06/09/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	108	84-115

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9024
Lab ID: 133881-002
Matrix: Water
Batch#: 41311
Units: ug/L
Diln Fac: 1

Sampled: 05/29/98
Received: 05/30/98
Extracted: 06/05/98
Analyzed: 06/05/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	108	85-121
Toluene-d8	99	92-110
Bromofluorobenzene	103	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41311
Units: ug/L
Diln Fac: 1

Prep Date: 06/05/98
Analysis Date: 06/05/98

MB Lab ID: QC72244

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	7	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	101	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	103	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41359
Units: ug/L
Diln Fac: 1

Prep Date: 06/09/98
Analysis Date: 06/09/98

MB Lab ID: QC72413

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	102	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	111	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41359
Units: ug/L
Diln Fac: 1

Prep Date: 06/09/98
Analysis Date: 06/09/98

MB Lab ID: QC72414

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	102	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	108	84-115

BATCH QC REPORT

Curtis & Tompkins, Ltd

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 41311
Units: ug/L
Diln Fac: 1

Prep Date: 06/05/98
Analysis Date: 06/05/98

LCS Lab ID: QC72243

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	51.46	50	103	69-137
Benzene	52.84	50	106	87-117
Trichloroethene	54.3	50	109	83-116
Toluene	53.81	50	108	88-116
Chlorobenzene	51.68	50	103	87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	98	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	99	84-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41359
Units: ug/L
Diln Fac: 1

Prep Date: 06/09/98
Analysis Date: 06/09/98

BS Lab ID: QC72411

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	51.43	103	69-137
Benzene	50	52.3	105	87-117
Trichloroethene	50	52.75	106	83-116
Toluene	50	55.31	111	88-116
Chlorobenzene	50	54.31	109	87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	100	76-128
1,2-Dichloroethane-d4	98	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	100	84-115

BSD Lab ID: QC72412

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	48.22	96	69-137	6	14
Benzene	50	51.18	102	87-117	2	10
Trichloroethene	50	51.34	103	83-116	3	10
Toluene	50	54.03	108	88-116	2	10
Chlorobenzene	50	53.22	106	87-117	2	10

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	100	92-110
Bromofluorobenzene	101	84-115

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

EPA 8260 Volatile Organics

Client:	IT Corporation	Analysis Method:	EPA 8260
Project#:	773206	Prep Method:	EPA 5030
Location:	Plumbrook Ordinance Wor		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	05/28/98
Lab ID:	133860-001	Received Date:	05/29/98
Matrix:	Water	Prep Date:	06/05/98
Batch#:	41311	Analysis Date:	06/05/98
Units:	ug/L		
Diln Fac:	1		

MS Lab ID: QC72273

Analyte	Spike Added	Sample	MS	%Rec #	Limits
1,1-Dichloroethene	50	<5	49.06	98	63-126
Benzene	50	0.576	51.51	102	80-116
Trichloroethene	50	<5	53.05	106	69-117
Toluene	50	<5	50.48	101	82-114
Chlorobenzene	50	<5	50.78	102	79-115

Surrogate	%Rec	Limits
Dibromofluoromethane	99	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	98	92-110
Bromofluorobenzene	101	84-115

MSD Lab ID: QC72274

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	49.31	99	63-126	1	10
Benzene	50	51.35	102	80-116	0	10
Trichloroethene	50	52.08	104	69-117	2	10
Toluene	50	50.52	101	82-114	0	10
Chlorobenzene	50	49.53	99	79-115	2	10

Surrogate	%Rec	Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	106	85-121
Toluene-d8	99	92-110
Bromofluorobenzene	100	84-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 133921-001
Matrix: Water
Batch#: 41359
Units: ug/L
Diln Fac: 1

Sample Date: 06/02/98
Received Date: 06/03/98
Prep Date: 06/10/98
Analysis Date: 06/10/98

MS Lab ID: QC72487

Analyte	Spike Added	Sample	MS	%Rec #	Limits
1,1-Dichloroethene	50	2.83	57.03	108	63-126
Benzene	50	<5	57.33	115	80-116
Trichloroethene	50	40.01	93.34	107	69-117
Toluene	50	<5	59.67	119 *	82-114
Chlorobenzene	50	<5	58.58	117 *	79-115

Surrogate	%Rec	Limits
Dibromofluoromethane	101	76-128
1,2-Dichloroethane-d4	101	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	98	84-115

MSD Lab ID: QC72488

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	55.87	106	63-126	2	10
Benzene	50	55.33	111	80-116	4	10
Trichloroethene	50	90.17	100	69-117	3	10
Toluene	50	57.88	116 *	82-114	3	10
Chlorobenzene	50	57.15	114	79-115	2	10

Surrogate	%Rec	Limits
Dibromofluoromethane	101	76-128
1,2-Dichloroethane-d4	100	85-121
Toluene-d8	100	92-110
Bromofluorobenzene	99	84-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5617	Sampled:	05/29/98
Lab ID:	133881-001	Received:	05/30/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41248	Analyzed:	06/09/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	52
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	52
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	52
4-Nitrophenol	ND	52
4,6-Dinitro-2-methylphenol	ND	52
Pentachlorophenol	ND	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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	52
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	52
Dimethylphthalate	ND	10
Acenaphthylene	ND	10

Semivolatile Organics by GC/MS

Field ID:	5617	Sampled:	05/29/98
Lab ID:	133881-001	Received:	05/30/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41248	Analyzed:	06/09/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	52
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	52
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	52
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	%Recovery	Recovery Limits
2-Fluorophenol	91	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	97	14-121
Nitrobenzene-d5	95	36-115
2-Fluorobiphenyl	93	36-113
Terphenyl-d14	68	17-115

Semivolatile Organics by GC/MS

Client:	IT Corporation	Analysis Method:	EPA 8270B
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5617 RE	Sampled:	05/29/98
Lab ID:	133881-003	Received:	05/30/98
Matrix:	Water	Extracted:	06/10/98
Batch#:	41398	Analyzed:	06/12/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Phenol	ND	9.6
2-Chlorophenol	ND	9.6
Benzyl alcohol	ND	9.6
2-Methylphenol	ND	9.6
3,4-Methylphenol	ND	9.6
2-Nitrophenol	ND	48
2,4-Dimethylphenol	ND	9.6
Benzoic acid	ND	48
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	9.6
N-Nitrosodimethylamine	ND	9.6
Aniline	ND	9.6
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

Semivolatile Organics by GC/MS

Field ID:	5617 RE	Sampled:	05/29/98
Lab ID:	133881-003	Received:	05/30/98
Matrix:	Water	Extracted:	06/10/98
Batch#:	41398	Analyzed:	06/12/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	9.6
3-Nitroaniline	ND	48
Acenaphthene	ND	9.6
Dibenzofuran	ND	9.6
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
Azobenzene	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
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	76	17-107
Phenol-d5	76	18-115
2,4,6-Tribromophenol	69	14-121
Nitrobenzene-d5	73	36-115
2-Fluorobiphenyl	76	36-113
Terphenyl-d14	47	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

MB Lab ID: QC72021

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

MB Lab ID: QC72021

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	90	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	88	14-121
Nitrobenzene-d5	94	36-115
2-Fluorobiphenyl	89	36-113
Terphenyl-d14	88	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

MB Lab ID: QC72558

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

MB Lab ID: QC72558

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	84	17-107
Phenol-d5	83	18-115
2,4,6-Tribromophenol	74	14-121
Nitrobenzene-d5	81	36-115
2-Fluorobiphenyl	79	36-113
Terphenyl-d14	72	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 41248
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/09/98

LCS Lab ID: QC72023

Analyte	Result	Spike Added	%Rec #	Limits
Phenol	80.68	100	81	45-110
2-Chlorophenol	85.63	100	86	50-110
4-Chloro-3-methylphenol	74.07	100	74	48-110
4-Nitrophenol	63.53	100	64	30-110
Pentachlorophenol	67.44	100	67	10-110
1,4-Dichlorobenzene	39.73	50	79	38-110
N-Nitroso-di-n-propylamine	28.08	50	56	29-110
1,2,4-Trichlorobenzene	37.73	50	75	41-110
Acenaphthene	41.52	50	83	50-110
2,4-Dinitrotoluene	41.25	50	82	40-110
Pyrene	36.5	50	73	43-110

Surrogate	%Rec	Limits
2-Fluorophenol	93	17-107
Phenol-d5	91	18-115
2,4,6-Tribromophenol	94	14-121
Nitrobenzene-d5	94	36-115
2-Fluorobiphenyl	93	36-113
Terphenyl-d14	86	17-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 11 outside limits

Lab #: 133881 BATCH QC REPORT Curtis & Tompkins, Ltd.

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41398
Units: ug/L
Diln Fac: 1

Prep Date: 06/10/98
Analysis Date: 06/12/98

BS Lab ID: QC72559

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	92.29	92		45-110
2-Chlorophenol	100	90.64	91		50-110
4-Chloro-3-methylphenol	100	91.41	91		48-110
4-Nitrophenol	100	85.46	85		30-110
Pentachlorophenol	100	82.03	82		10-110
1,4-Dichlorobenzene	50	43.39	87		38-110
N-Nitroso-di-n-propylamine	50	50.7	101		29-110
1,2,4-Trichlorobenzene	50	44.88	90		41-110
Acenaphthene	50	45.76	92		50-110
2,4-Dinitrotoluene	50	43.6	87		40-110
Pyrene	50	39.04	78		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	99	17-107
Phenol-d5	97	18-115
2,4,6-Tribromophenol	90	14-121
Nitrobenzene-d5	97	36-115
2-Fluorobiphenyl	94	36-113
Terphenyl-d14	84	17-115

BSD Lab ID: QC72560

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	77.66	78		45-110	17		23
2-Chlorophenol	100	75.24	75		50-110	19		23
4-Chloro-3-methylphenol	100	76.79	77		48-110	17		20
4-Nitrophenol	100	71.48	71		30-110	18		26
Pentachlorophenol	100	68.59	69		10-110	18		44
1,4-Dichlorobenzene	50	34.94	70		38-110	22	*	21
N-Nitroso-di-n-propylamine	50	42.51	85		29-110	18		22
1,2,4-Trichlorobenzene	50	36.9	74		41-110	20		21
Acenaphthene	50	38.86	78		50-110	16		18
2,4-Dinitrotoluene	50	36.98	74		40-110	16		19
Pyrene	50	33.84	68		43-110	14		19

Surrogate	%Rec	Limits
2-Fluorophenol	80	17-107
Phenol-d5	80	18-115
2,4,6-Tribromophenol	76	14-121
Nitrobenzene-d5	81	36-115
2-Fluorobiphenyl	80	36-113
Terphenyl-d14	72	17-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5617	Sampled:	05/29/98
Lab ID:	133881-001	Received:	05/30/98
Matrix:	Water	Extracted:	06/02/98
Batch#:	41250	Analyzed:	06/05/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.94
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	ND	0.47

Surrogate	%Recovery	Recovery Limits
TCMX	65	19-130
Decachlorobiphenyl	42	22-110

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	06/02/98
Batch#:	41250	Analysis Date:	06/05/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC72027

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	82	19-130
Decachlorobiphenyl	74	22-110

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: PCB
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41250
Units: ug/L
Diln Fac: 1

Prep Date: 06/02/98
Analysis Date: 06/05/98

BS Lab ID: QC72028

Analyte	Spike Added	BS	%Rec #	Limits
Aroclor-1260	5	3.5	69	61-119

Surrogate	%Rec	Limits
TCMX	82	19-130
Decachlorobiphenyl	103	22-110

BSD Lab ID: QC72029

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Aroclor-1260	5	3.6	73	61-119	5	15

Surrogate	%Rec	Limits
TCMX	84	19-130
Decachlorobiphenyl	109	22-110

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: 5617
LAB ID: 133881-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/29/98
DATE RECEIVED: 05/30/98
DATE REPORTED: 06/12/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	140	100	1	41355	EPA 6010A	06/09/98
Antimony	ND	60	1	41355	EPA 6010A	06/09/98
Arsenic	7.1	5.0	1	41355	EPA 6010A	06/09/98
Barium	170	10	1	41355	EPA 6010A	06/09/98
Beryllium	ND	2.0	1	41355	EPA 6010A	06/09/98
Cadmium	ND	5.0	1	41355	EPA 6010A	06/09/98
Calcium	120000	500	1	41355	EPA 6010A	06/09/98
Chromium (total)	ND	10	1	41355	EPA 6010A	06/09/98
Cobalt	ND	20	1	41355	EPA 6010A	06/09/98
Copper	ND	10	1	41355	EPA 6010A	06/09/98
Iron	8400	100	1	41355	EPA 6010A	06/09/98
Lead	ND	3.0	1	41355	EPA 6010A	06/09/98
Magnesium	48000	500	1	41355	EPA 6010A	06/09/98
Manganese	1200	10	1	41355	EPA 6010A	06/09/98
Mercury	ND	0.20	1	41241	EPA 7470	06/03/98
Molybdenum	ND	20	1	41355	EPA 6010A	06/09/98
Nickel	ND	20	1	41355	EPA 6010A	06/09/98
Potassium	6700	500	1	41355	EPA 6010A	06/09/98
Selenium	7.8	5.0	1	41355	EPA 6010A	06/09/98
Silver	ND	5.0	1	41355	EPA 6010A	06/09/98
Sodium	56000	500	1	41355	EPA 6010A	06/09/98
Thallium	ND	5.0	1	41355	EPA 6010A	06/09/98
Vanadium	ND	10	1	41355	EPA 6010A	06/09/98
Zinc	ND	20	1	41355	EPA 6010A	06/09/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5617
LAB ID: 133881-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/29/98
DATE RECEIVED: 05/30/98
DATE REPORTED: 06/12/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	22000	100	1	41322	EPA 6010A	06/09/98
Antimony	ND	60	1	41322	EPA 6010A	06/09/98
Arsenic	36	5.0	1	41322	EPA 6010A	06/09/98
Barium	180	10	1	41322	EPA 6010A	06/09/98
Beryllium	ND	2.0	1	41322	EPA 6010A	06/09/98
Cadmium	ND	5.0	1	41322	EPA 6010A	06/09/98
Calcium	220000	5000	10	41322	EPA 6010A	06/09/98
Chromium (total)	38	10	1	41322	EPA 6010A	06/09/98
Cobalt	41	20	1	41322	EPA 6010A	06/09/98
Copper	40	10	1	41322	EPA 6010A	06/09/98
Iron	59000	100	1	41322	EPA 6010A	06/09/98
Lead	29	3.0	1	41322	EPA 6010A	06/09/98
Magnesium	64000	500	1	41322	EPA 6010A	06/09/98
Manganese	1400	10	1	41322	EPA 6010A	06/09/98
Mercury	ND	0.20	1	41240	EPA 7470	06/02/98
Molybdenum	ND	20	1	41322	EPA 6010A	06/09/98
Nickel	97	20	1	41322	EPA 6010A	06/09/98
Potassium	14000	5000	10	41322	EPA 6010A	06/09/98
Selenium	ND	5.0	1	41322	EPA 6010A	06/09/98
Silver	ND	5.0	1	41322	EPA 6010A	06/09/98
Sodium	76000	5000	10	41322	EPA 6010A	06/09/98
Thallium	ND	5.0	1	41322	EPA 6010A	06/09/98
Vanadium	36	10	1	41322	EPA 6010A	06/09/98
Zinc	130	20	1	41322	EPA 6010A	06/09/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	41322	EPA 6010A	06/09/98
Aluminum	ND	100	ug/L	1	41355	EPA 6010A	06/09/98
Antimony	ND	60	ug/L	1	41322	EPA 6010A	06/09/98
Antimony	ND	60	ug/L	1	41355	EPA 6010A	06/09/98
Arsenic	ND	5	ug/L	1	41322	EPA 6010A	06/09/98
Arsenic	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Barium	ND	10	ug/L	1	41322	EPA 6010A	06/09/98
Barium	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Beryllium	ND	2	ug/L	1	41322	EPA 6010A	06/09/98
Beryllium	ND	2	ug/L	1	41355	EPA 6010A	06/09/98
Cadmium	ND	5	ug/L	1	41322	EPA 6010A	06/09/98
Cadmium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Calcium	ND	500	ug/L	1	41322	EPA 6010A	06/09/98
Calcium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Chromium (total)	ND	10	ug/L	1	41322	EPA 6010A	06/09/98
Chromium (total)	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Cobalt	ND	20	ug/L	1	41322	EPA 6010A	06/09/98
Cobalt	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Copper	ND	10	ug/L	1	41322	EPA 6010A	06/09/98
Copper	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Iron	ND	100	ug/L	1	41322	EPA 6010A	06/09/98
Iron	ND	100	ug/L	1	41355	EPA 6010A	06/09/98
Lead	ND	3	ug/L	1	41322	EPA 6010A	06/09/98
Lead	ND	3	ug/L	1	41355	EPA 6010A	06/09/98
Magnesium	ND	500	ug/L	1	41322	EPA 6010A	06/09/98
Magnesium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Manganese	ND	10	ug/L	1	41322	EPA 6010A	06/09/98
Manganese	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Mercury	ND	0.2	ug/L	1	41240	EPA 7470	06/02/98
Mercury	ND	0.2	ug/L	1	41241	EPA 7470	06/03/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	41322	EPA 6010A	06/09/98
Molybdenum	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Nickel	ND	20	ug/L	1	41322	EPA 6010A	06/09/98
Nickel	ND	20	ug/L	1	41355	EPA 6010A	06/09/98
Potassium	ND	500	ug/L	1	41322	EPA 6010A	06/09/98
Potassium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Selenium	ND	5	ug/L	1	41322	EPA 6010A	06/09/98
Selenium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Silver	ND	5	ug/L	1	41322	EPA 6010A	06/09/98
Silver	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Sodium	ND	500	ug/L	1	41322	EPA 6010A	06/09/98
Sodium	ND	500	ug/L	1	41355	EPA 6010A	06/09/98
Thallium	ND	5	ug/L	1	41322	EPA 6010A	06/09/98
Thallium	ND	5	ug/L	1	41355	EPA 6010A	06/09/98
Vanadium	ND	10	ug/L	1	41322	EPA 6010A	06/09/98
Vanadium	ND	10	ug/L	1	41355	EPA 6010A	06/09/98
Zinc	ND	20	ug/L	1	41322	EPA 6010A	06/09/98
Zinc	ND	20	ug/L	1	41355	EPA 6010A	06/09/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

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	2078	2100	ug/L	104	105	80-120	1	35	41322	EPA 6010A	06/09/98
Aluminum	2000	2106	2115	ug/L	105	106	80-120	0	35	41355	EPA 6010A	06/09/98
Antimony	500	562	538	ug/L	112	108	80-120	4	35	41322	EPA 6010A	06/09/98
Antimony	500	526	523	ug/L	105	105	80-120	1	35	41355	EPA 6010A	06/09/98
Arsenic	2000	2080	2030	ug/L	104	102	80-120	2	35	41322	EPA 6010A	06/09/98
Arsenic	2000	2040	2040	ug/L	102	102	80-120	0	35	41355	EPA 6010A	06/09/98
Barium	2000	2080	2080	ug/L	104	104	80-120	0	35	41322	EPA 6010A	06/09/98
Barium	2000	2130	2130	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Beryllium	50	58.8	56.9	ug/L	118	114	80-120	3	35	41322	EPA 6010A	06/09/98
Beryllium	50	52.6	53	ug/L	105	106	80-120	1	35	41355	EPA 6010A	06/09/98
Cadmium	50	55	53.1	ug/L	110	106	80-120	4	35	41322	EPA 6010A	06/09/98
Cadmium	50	54.6	55.9	ug/L	109	112	80-120	2	35	41355	EPA 6010A	06/09/98
Calcium	20000	21940	21250	ug/L	110	106	80-120	3	35	41322	EPA 6010A	06/09/98
Calcium	20000	20490	20530	ug/L	103	103	80-120	0	35	41355	EPA 6010A	06/09/98
Chromium (total)	200	216	209	ug/L	108	105	80-120	3	35	41322	EPA 6010A	06/09/98
Chromium (total)	200	210	212	ug/L	105	106	80-120	1	35	41355	EPA 6010A	06/09/98
Cobalt	500	546	533	ug/L	109	107	80-120	2	35	41322	EPA 6010A	06/09/98
Cobalt	500	535	540	ug/L	107	108	80-120	1	35	41355	EPA 6010A	06/09/98
Copper	250	272	272	ug/L	109	109	80-120	0	35	41322	EPA 6010A	06/09/98
Copper	250	269	269	ug/L	108	108	80-120	0	35	41355	EPA 6010A	06/09/98
Iron	1000	1175	1069	ug/L	118	107	80-120	9	35	41322	EPA 6010A	06/09/98
Iron	1000	1062	1058	ug/L	106	106	80-120	0	35	41355	EPA 6010A	06/09/98
Lead	500	541	521	ug/L	108	104	80-120	4	35	41322	EPA 6010A	06/09/98
Lead	500	534	533	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Magnesium	20000	21600	21290	ug/L	108	107	80-120	1	35	41322	EPA 6010A	06/09/98
Magnesium	20000	21500	21560	ug/L	108	108	80-120	0	35	41355	EPA 6010A	06/09/98
Manganese	500	528	516	ug/L	106	103	80-120	2	35	41322	EPA 6010A	06/09/98
Manganese	500	514	517	ug/L	103	103	80-120	1	35	41355	EPA 6010A	06/09/98
Mercury	5	5.366	4.769	ug/L	107	95	80-120	12	35	41240	EPA 7470	06/02/98
Mercury	5	5.07	4.626	ug/L	101	93	80-120	9	35	41241	EPA 7470	06/03/98
Molybdenum	400	445	431	ug/L	111	108	80-120	3	35	41322	EPA 6010A	06/09/98
Molybdenum	400	437	433	ug/L	109	108	80-120	1	35	41355	EPA 6010A	06/09/98
Nickel	500	564	538	ug/L	113	108	80-120	5	35	41322	EPA 6010A	06/09/98
Nickel	500	546	546	ug/L	109	109	80-120	0	35	41355	EPA 6010A	06/09/98
Potassium	20000	20490	20560	ug/L	103	103	80-120	0	35	41322	EPA 6010A	06/09/98
Potassium	20000	20850	21170	ug/L	104	106	80-120	2	35	41355	EPA 6010A	06/09/98
Selenium	2000	2090	2060	ug/L	105	103	80-120	1	35	41322	EPA 6010A	06/09/98
Selenium	2000	2070	2060	ug/L	104	103	80-120	1	35	41355	EPA 6010A	06/09/98
Silver	100	106	104	ug/L	106	104	80-120	2	35	41322	EPA 6010A	06/09/98
Silver	100	106	107	ug/L	106	107	80-120	1	35	41355	EPA 6010A	06/09/98
Sodium	20000	20680	20880	ug/L	103	104	80-120	1	35	41322	EPA 6010A	06/09/98
Sodium	20000	21000	21020	ug/L	105	105	80-120	0	35	41355	EPA 6010A	06/09/98
Thallium	2000	2240	2210	ug/L	112	111	80-120	1	35	41322	EPA 6010A	06/09/98
Thallium	2000	2250	2260	ug/L	113	113	80-120	0	35	41355	EPA 6010A	06/09/98
Vanadium	500	538	530	ug/L	108	106	80-120	2	35	41322	EPA 6010A	06/09/98
Vanadium	500	535	537	ug/L	107	107	80-120	0	35	41355	EPA 6010A	06/09/98
Zinc	500	549	552	ug/L	110	110	80-120	1	35	41322	EPA 6010A	06/09/98
Zinc	500	539	542	ug/L	108	108	80-120	1	35	41355	EPA 6010A	06/09/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

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	133789-003	<0.200	5	4.439	4.38	ug/L	89	88	65-135	1	35	41241	EPA 7470	06/03/98
Mercury	133789-004	<0.200	5	4.827	4.38	ug/L	97	88	65-135	1	35	41241	EPA 7470	06/03/98
Mercury	133802-001	<0.200	5	5.005	4.38	ug/L	100	88	65-135	1	35	41241	EPA 7470	06/03/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133885-008	329.1	292.2	ug/L	12	20	41322	EPA 6010A	06/09/98
Aluminum	133860-001	182.8	117.5	ug/L	48*	20	41355	EPA 6010A	06/09/98
Antimony	133885-008	<60.000	<60.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Antimony	133860-001	<60.000	<60.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Arsenic	133885-008	<5.000	<5.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Arsenic	133860-001	12.1	8.2	ug/L	38*	20	41355	EPA 6010A	06/09/98
Barium	133885-008	68.1	66.9	ug/L	2	20	41322	EPA 6010A	06/09/98
Barium	133860-001	175	176	ug/L	2	20	41355	EPA 6010A	06/09/98
Beryllium	133885-008	<2.000	<2.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Beryllium	133860-001	<2.000	<2.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Cadmium	133885-008	<5.000	<5.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Cadmium	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Calcium	133885-008	239600	232700	ug/L	3	20	41322	EPA 6010A	06/09/98
Calcium	133860-001	91470	92200	ug/L	1	20	41355	EPA 6010A	06/09/98
Chromium (total)	133885-008	<10.000	<10.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Chromium (total)	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Cobalt	133885-008	<20.000	<20.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Cobalt	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Copper	133885-008	30.8	31.3	ug/L	2	20	41322	EPA 6010A	06/09/98
Copper	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Iron	133885-008	<100.000	<100.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Iron	133860-001	430.4	443.1	ug/L	5	20	41355	EPA 6010A	06/09/98
Lead	133885-008	3.65	<3.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Lead	133860-001	<3.000	<3.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Magnesium	133885-008	44660	43630	ug/L	2	20	41322	EPA 6010A	06/09/98
Magnesium	133860-001	34670	35400	ug/L	4	20	41355	EPA 6010A	06/09/98
Manganese	133885-008	114	110	ug/L	4	20	41322	EPA 6010A	06/09/98
Manganese	133860-001	197	204	ug/L	2	20	41355	EPA 6010A	06/09/98
Mercury	133819-001	<0.200	<0.200	ug/L	NC	20	41240	EPA 7470	06/02/98
Molybdenum	133885-008	<20.000	<20.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Molybdenum	133860-001	47	45.8	ug/L	4	20	41355	EPA 6010A	06/09/98
Nickel	133885-008	29.5	48.8	ug/L	49*	20	41322	EPA 6010A	06/09/98
Nickel	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Potassium	133885-008	30340	31810	ug/L	5	20	41322	EPA 6010A	06/09/98
Potassium	133860-001	1859	1729	ug/L	7	20	41355	EPA 6010A	06/09/98
Selenium	133885-008	<5.000	<5.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Selenium	133860-001	5.28	7.65	ug/L	37*	20	41355	EPA 6010A	06/09/98
Silver	133885-008	<5.000	<5.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Silver	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Sodium	133885-008	136600	134000	ug/L	2	20	41322	EPA 6010A	06/09/98
Sodium	133860-001	19350	19320	ug/L	0	20	41355	EPA 6010A	06/09/98
Thallium	133885-008	<5.000	<5.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Thallium	133860-001	<5.000	<5.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Vanadium	133885-008	<10.000	<10.000	ug/L	NC	20	41322	EPA 6010A	06/09/98
Vanadium	133860-001	<10.000	<10.000	ug/L	NC	20	41355	EPA 6010A	06/09/98
Zinc	133885-008	1270	1280	ug/L	1	20	41322	EPA 6010A	06/09/98
Zinc	133860-001	<20.000	<20.000	ug/L	NC	20	41355	EPA 6010A	06/09/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133881

DATE REPORTED: 06/12/98

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	133885-008	329.1	2884	ug/L	128		65-135	41322	EPA 6010A	06/09/98
Aluminum	2000	133860-001	182.8	2474	ug/L	114		65-135	41355	EPA 6010A	06/09/98
Antimony	500	133885-008	<60.000	540	ug/L	108		65-135	41322	EPA 6010A	06/09/98
Antimony	500	133860-001	<60.000	380	ug/L	76		65-135	41355	EPA 6010A	06/09/98
Arsenic	2000	133885-008	<5.000	2020	ug/L	101		65-135	41322	EPA 6010A	06/09/98
Arsenic	2000	133860-001	12.1	1930	ug/L	97		65-135	41355	EPA 6010A	06/09/98
Barium	2000	133885-008	68.1	2110	ug/L	102		65-135	41322	EPA 6010A	06/09/98
Barium	2000	133860-001	175	2170	ug/L	100		65-135	41355	EPA 6010A	06/09/98
Beryllium	50	133885-008	<2.000	53.8	ug/L	108		65-135	41322	EPA 6010A	06/09/98
Beryllium	50	133860-001	<2.000	48.1	ug/L	96		65-135	41355	EPA 6010A	06/09/98
Cadmium	50	133885-008	<5.000	53.4	ug/L	107		65-135	41322	EPA 6010A	06/09/98
Cadmium	50	133860-001	<5.000	49.6	ug/L	99		65-135	41355	EPA 6010A	06/09/98
Calcium	20000	133885-008	239600	252700	ug/L	66	NM	65-135	41322	EPA 6010A	06/09/98
Calcium	20000	133860-001	91470	109100	ug/L	88	NM	65-135	41355	EPA 6010A	06/09/98
Chromium (total)	200	133885-008	<10.000	200	ug/L	100		65-135	41322	EPA 6010A	06/09/98
Chromium (total)	200	133860-001	<10.000	191	ug/L	96		65-135	41355	EPA 6010A	06/09/98
Cobalt	500	133885-008	<20.000	521	ug/L	104		65-135	41322	EPA 6010A	06/09/98
Cobalt	500	133860-001	<20.000	490	ug/L	98		65-135	41355	EPA 6010A	06/09/98
Copper	250	133885-008	30.8	314	ug/L	113		65-135	41322	EPA 6010A	06/09/98
Copper	250	133860-001	<10.000	262	ug/L	105		65-135	41355	EPA 6010A	06/09/98
Iron	1000	133885-008	<100.000	1039	ug/L	104		65-135	41322	EPA 6010A	06/09/98
Iron	1000	133860-001	430.4	1371	ug/L	95		65-135	41355	EPA 6010A	06/09/98
Lead	500	133885-008	3.65	523	ug/L	104		65-135	41322	EPA 6010A	06/09/98
Lead	500	133860-001	<3.000	493	ug/L	99		65-135	41355	EPA 6010A	06/09/98
Magnesium	20000	133885-008	44660	66510	ug/L	109		65-135	41322	EPA 6010A	06/09/98
Magnesium	20000	133860-001	34670	54590	ug/L	103		65-135	41355	EPA 6010A	06/09/98
Manganese	500	133885-008	114	609	ug/L	99		65-135	41322	EPA 6010A	06/09/98
Manganese	500	133860-001	197	662	ug/L	92		65-135	41355	EPA 6010A	06/09/98
Mercury	5	133819-001	<0.200	4.479	ug/L	90		65-135	41240	EPA 7470	06/02/98
Molybdenum	400	133885-008	<20.000	415	ug/L	104		65-135	41322	EPA 6010A	06/09/98
Molybdenum	400	133860-001	47	440	ug/L	98		65-135	41355	EPA 6010A	06/09/98
Nickel	500	133885-008	29.5	565	ug/L	107		65-135	41322	EPA 6010A	06/09/98
Nickel	500	133860-001	<20.000	510	ug/L	102		65-135	41355	EPA 6010A	06/09/98
Potassium	20000	133885-008	30340	53500	ug/L	116		65-135	41322	EPA 6010A	06/09/98
Potassium	20000	133860-001	1859	21680	ug/L	99		65-135	41355	EPA 6010A	06/09/98
Selenium	2000	133885-008	<5.000	2090	ug/L	105		65-135	41322	EPA 6010A	06/09/98
Selenium	2000	133860-001	5.28	2000	ug/L	100		65-135	41355	EPA 6010A	06/09/98
Silver	100	133885-008	<5.000	106	ug/L	106		65-135	41322	EPA 6010A	06/09/98
Silver	100	133860-001	<5.000	94.9	ug/L	95		65-135	41355	EPA 6010A	06/09/98
Sodium	20000	133885-008	136600	154100	ug/L	88	NM	65-135	41322	EPA 6010A	06/09/98
Sodium	20000	133860-001	19350	38770	ug/L	97		65-135	41355	EPA 6010A	06/09/98
Thallium	2000	133885-008	<5.000	2190	ug/L	110		65-135	41322	EPA 6010A	06/09/98
Thallium	2000	133860-001	<5.000	2110	ug/L	106		65-135	41355	EPA 6010A	06/09/98
Vanadium	500	133885-008	<10.000	509	ug/L	102		65-135	41322	EPA 6010A	06/09/98
Vanadium	500	133860-001	<10.000	490	ug/L	98		65-135	41355	EPA 6010A	06/09/98
Zinc	500	133885-008	1270	1760	ug/L	98		65-135	41322	EPA 6010A	06/09/98
Zinc	500	133860-001	<20.000	500	ug/L	100		65-135	41355	EPA 6010A	06/09/98

NM = Not Meaningful

Quanterra
Environmental Services

Quanterra Incorporated
880 Riverside Parkway
West Sacramento, California 95605

916 373-5600 Telephone
916 372-1059 Fax

June 12, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099484**
PO/CONTRACT: **Project #133881**

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 02 June 1998.

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/rr

Quanterra
Environmental Services

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- Sample Data Sheet
- Laboratory QC Reports
- Initial Calibration Summary & Analysis Logs
- Continuing Calibration Summaries & Analysis Logs

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099484

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
099484-0001-SA	5617	AQUEOUS	29 MAY 98		02 JUN 98

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133881

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5617	29-MAY-98	Water	8330	133881-001

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	6/1/98 Date/Time	Date/Time 060298 @ 0835
	Date/Time	Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Rec'd in good condition. 060298

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5617
LAB ID: 099484-0001-SA
Matrix: AQUEOUS — Sampled: 29 MAY 98 — Received: 02 JUN 98
Authorized: 02 JUN 98 — Prepared: 03 JUN 98 — Analyzed: 03 JUN 98

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	94 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson — Approved By: Emily Uebelhoer

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)
099484-0001-SA	AQUEOUS	8330-LOW-A	03 JUN 98-11D	03 JUN 98-11D

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099484

Test: 8330-LOW-A Nitroaromatics and Nitramines by HPLC
Method: 8330
Matrix: AQUEOUS
QC Lot: 03 JUN 98-11D QC Run: 03 JUN 98-11D
Analyzed: 03 JUN 98 Time: 21:41

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	100	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099484

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 03 JUN 98-11D Analyzed Date: 03 JUN 98 Time: 23:07

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.541	0.571	108	114	65-135	5.4	35
1,3,5-Trinitrobenzene	0.500	0.601	0.608	120	122	65-135	1.1	35
RDX	0.500	0.621	0.635	124	127	65-135	2.3	35
1,3-Dinitrobenzene	0.500	0.540	0.564	108	113	65-135	4.4	35
Nitrobenzene	0.500	0.536	0.577	107	115	65-135	7.2	35
2,4,6-Trinitrotoluene	0.500	0.571	0.612	114	122	65-135	6.8	35
Tetryl	0.500	0.610	0.625	122	125	65-135	2.4	35
2,4-Dinitrotoluene	0.500	0.538	0.570	108	114	65-135	5.9	35
2,6-Dinitrotoluene	0.500	0.560	0.558	112	112	65-135	0.38	35
2-Am-DNT	0.500	0.518	0.553	104	111	65-135	6.6	35
4-Am-DNT	0.500	0.532	0.547	106	109	65-135	2.7	35
2-Nitrotoluene	0.500	0.593	0.530	119	106	65-135	11	35
4-Nitrotoluene	0.500	0.575	0.539	115	108	65-135	6.4	35
3-Nitrotoluene	0.500	0.513	0.534	103	107	65-135	4.1	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.5	100	95	65-135

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133756

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5697	133756-001
9019	133756-002

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: 6/18/98
Title: Operations Manager

Signature: Carol Wathen Date: 6/18/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 133756 **Received Date: 05/21/98**
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on May 21, 1998.

Volatiles: The voa vial analyzed for sample 5697 (CT#133756-001) had a pH of 4 and was analyzed past the seven day hold requirement. No other analytical problems were encountered.

Semi-volatiles: Sample 5697 (CT#133756-001) was analyzed at a dilution due to high levels of non-target compounds present in the sample which caused the surrogates to be diluted out. A high relative standard deviation (%RSD) was observed for bis(2-ethylhexyl)phthalate in the initial calibration which was analyzed on May 19, 1998 (uej). This compound met the minimum response criteria and was not detected in the sample or method blank. High percent differences (%D) were observed for pyridine and bis(2-chloroisopropyl)ether in the continuing calibration verification which was analyzed on June 1, 1998 (uf103). These compounds met the minimum response criteria and were not detected in the sample or method blank. No other analytical problems were encountered.

PCBs: A high surrogate recovery was observed for TCMX for 5697 (CT#133756-001) due to co-elution with a non-target peak. The recovery for decachlorobiphenyl was within QC criteria. No other analytical problems were encountered.

Metals: A high relative percent difference (%RPDs) was observed for thallium for the sample duplicate of 5497 (CT#133611-001). The spike recoveries for calcium, iron, magnesium, and manganese in the matrix spike of 5497 (CT#133611-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis.

133756

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-052098CURT

Project Number: 773206

Samples Shipment Date: 20-MAY-98

Project Name: PLUMBROOK ORDNANCE WOR

ab Destination: Curtis and Tomkins Lab

Sample Coordinator: Duane Nielsen

Lab Contact: Carol Wortham (PM) or

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/800185153765

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 X

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Relinquished By (Signature/Affiliation) — Date: 5/20/98 Time: 1600

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

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

1. Received By (Signature/Affiliation) — Date: 5/21/98 Time: 10

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

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

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5697	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5697	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5697	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5697	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5697	PBOW-98-GW-PRMW7-5695	20-MAY-98	08:45	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9019	PBOW-98-GW-PRMW7-9019	20-MAY-98	09:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

1

2

003

Plumbook

Curtis & Tompkins, Ltd

COOLER RECEIPT CHECKLIST

Login#: 133756 Date Received: 5/21 Number of Coolers: 1
Client: IT Project: 773206

A. Preliminary Examination Phase
Date Opened: 5/21 By (print): J. Williams (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 8515 3765
2. Were custody seals on outside of cooler? ..... (YES) NO
   How many and where? 1 Front Seal date: 5/20 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: Gelpak Temperature: 3.5°C

B. Login Phase
Date Logged In: 5/21 By (print): J. Williams (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 Seals Intact
5/20/98

Filename: F:\qc\forms\cooler.wpd Rev. 1 4/96

004

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5697
Lab ID: 133756-001
Matrix: Water
Batch#: 41215
Units: ug/L
Diln Fac: 1

Sampled: 05/20/98
Received: 05/21/98
Extracted: 06/02/98
Analyzed: 06/02/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	117	76-128
1,2-Dichloroethane-d4	118	85-121
Toluene-d8	108	92-110
Bromofluorobenzene	108	84-115

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9019
Lab ID: 133756-002
Matrix: Water
Batch#: 41199
Units: ug/L
Diln Fac: 1

Sampled: 05/20/98
Received: 05/21/98
Extracted: 05/30/98
Analyzed: 05/30/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	117	76-128
1,2-Dichloroethane-d4	114	85-121
Toluene-d8	106	92-110
Bromofluorobenzene	104	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41199
Units: ug/L
Diln Fac: 1

Prep Date: 05/30/98
Analysis Date: 05/30/98

MB Lab ID: QC71852

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	116	76-128
1,2-Dichloroethane-d4	111	85-121
Toluene-d8	105	92-110
Bromofluorobenzene	107	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41199
Units: ug/L
Diln Fac: 1

Prep Date: 05/30/98
Analysis Date: 05/30/98

MB Lab ID: QC71853

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	117	76-128
1,2-Dichloroethane-d4	114	85-121
Toluene-d8	107	92-110
Bromofluorobenzene	107	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41215
Units: ug/L
Diln Fac: 1

Prep Date: 06/01/98
Analysis Date: 06/01/98

MB Lab ID: QC71905

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	111	76-128
1,2-Dichloroethane-d4	107	85-121
Toluene-d8	107	92-110
Bromofluorobenzene	105	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 41215
Units: ug/L
Diln Fac: 1

Prep Date: 06/01/98
Analysis Date: 06/01/98

MB Lab ID: QC71906

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	112	76-128
1,2-Dichloroethane-d4	110	85-121
Toluene-d8	108	92-110
Bromofluorobenzene	109	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41199
Units: ug/L
Diln Fac: 1

Prep Date: 05/30/98
Analysis Date: 05/30/98

BS Lab ID: QC71850

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	51.93	104	69-137
Benzene	50	50.97	102	87-117
Trichloroethene	50	52.22	104	83-116
Toluene	50	52.73	105	88-116
Chlorobenzene	50	52.19	104	87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	111	76-128
1,2-Dichloroethane-d4	109	85-121
Toluene-d8	106	92-110
Bromofluorobenzene	106	84-115

BSD Lab ID: QC71851

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	55.73	111	69-137	7	14
Benzene	50	52.62	105	87-117	3	10
Trichloroethene	50	54.25	109	83-116	4	10
Toluene	50	54.57	109	88-116	3	10
Chlorobenzene	50	53.63	107	87-117	3	10

Surrogate	%Rec	Limits
Dibromofluoromethane	111	76-128
1,2-Dichloroethane-d4	107	85-121
Toluene-d8	105	92-110
Bromofluorobenzene	105	84-115

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

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41215
Units: ug/L
Diln Fac: 1

Prep Date: 06/01/98
Analysis Date: 06/01/98

BS Lab ID: QC71903

Analyte	Spike Added	BS	%Rec	#	Limits
1,1-Dichloroethene	50	49.24	98		69-137
Benzene	50	51.19	102		87-117
Trichloroethene	50	49.76	100		83-116
Toluene	50	51.02	102		88-116
Chlorobenzene	50	50.76	102		87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	107	76-128
1,2-Dichloroethane-d4	106	85-121
Toluene-d8	105	92-110
Bromofluorobenzene	108	84-115

BSD Lab ID: QC71904

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
1,1-Dichloroethene	50	55.22	110		69-137	11		14
Benzene	50	54.4	109		87-117	6		10
Trichloroethene	50	54.87	110		83-116	10		10
Toluene	50	55.83	112		88-116	9		10
Chlorobenzene	50	54.58	109		87-117	7		10

Surrogate	%Rec	Limits
Dibromofluoromethane	110	76-128
1,2-Dichloroethane-d4	106	85-121
Toluene-d8	105	92-110
Bromofluorobenzene	107	84-115

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#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5697	Sampled:	05/20/98
Lab ID:	133756-001	Received:	05/21/98
Matrix:	Water	Extracted:	05/26/98
Batch#:	41087	Analyzed:	06/03/98
Units:	ug/L		
Diln Fac:	50		

Analyte	Result	Reporting Limit
Phenol	ND	680
2-Chlorophenol	ND	680
Benzyl alcohol	ND	680
2-Methylphenol	ND	680
3,4-Methylphenol	ND	680
2-Nitrophenol	ND	3400
2,4-Dimethylphenol	ND	680
Benzoic acid	ND	3400
2,4-Dichlorophenol	ND	680
4-Chloro-3-methylphenol	ND	680
2,4,6-Trichlorophenol	ND	680
2,4,5-Trichlorophenol	ND	680
2,4-Dinitrophenol	ND	3400
4-Nitrophenol	ND	3400
4,6-Dinitro-2-methylphenol	ND	3400
Pentachlorophenol	ND	680
N-Nitrosodimethylamine	ND	680
Aniline	ND	680
bis(2-Chloroethyl)ether	ND	680
1,3-Dichlorobenzene	ND	680
1,4-Dichlorobenzene	ND	680
1,2-Dichlorobenzene	ND	680
bis(2-Chloroisopropyl) ether	ND	680
N-Nitroso-di-n-propylamine	ND	680
Hexachloroethane	ND	680
Nitrobenzene	ND	680
Isophorone	ND	680
bis(2-Chloroethoxy)methane	ND	680
1,2,4-Trichlorobenzene	ND	680
Naphthalene	ND	680
4-Chloroaniline	ND	680
Hexachlorobutadiene	ND	680
2-Methylnaphthalene	ND	680
Hexachlorocyclopentadiene	ND	3400
2-Chloronaphthalene	ND	680
2-Nitroaniline	ND	3400
Dimethylphthalate	ND	680
Acenaphthylene	ND	680

Semivolatile Organics by GC/MS

Field ID:	5697	Sampled:	05/20/98
Lab ID:	133756-001	Received:	05/21/98
Matrix:	Water	Extracted:	05/26/98
Batch#:	41087	Analyzed:	06/03/98
Units:	ug/L		
Diln Fac:	50		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	680
3-Nitroaniline	ND	3400
Acenaphthene	ND	680
Dibenzofuran	ND	680
2,4-Dinitrotoluene	1400	680
Diethylphthalate	ND	680
4-Chlorophenyl-phenylether	ND	680
Fluorene	ND	680
4-Nitroaniline	ND	3400
N-Nitrosodiphenylamine	ND	680
Azobenzene	ND	680
4-Bromophenyl-phenylether	ND	680
Hexachlorobenzene	ND	680
Phenanthrene	ND	680
Anthracene	ND	680
Di-n-butylphthalate	ND	680
Fluoranthene	ND	680
Pyrene	ND	680
Butylbenzylphthalate	ND	680
3,3'-Dichlorobenzidine	ND	3400
Benzo(a)anthracene	ND	680
Chrysene	ND	680
bis(2-Ethylhexyl)phthalate	ND	680
Di-n-octylphthalate	ND	680
Benzo(b,k)fluoranthene	ND	680
Benzo(a)pyrene	ND	680
Indeno(1,2,3-cd)pyrene	ND	680
Dibenz(a,h)anthracene	ND	680
Benzo(g,h,i)perylene	ND	680

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	DO*	17-107
Phenol-d5	DO*	18-115
2,4,6-Tribromophenol	DO*	14-121
Nitrobenzene-d5	DO*	36-115
2-Fluorobiphenyl	DO*	36-113
Terphenyl-d14	DO*	17-115

* Values outside of QC limits
DO: Surrogate diluted out

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41087
Units: ug/L
Diln Fac: 1

Prep Date: 05/26/98
Analysis Date: 06/01/98

MB Lab ID: QC71448

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

Curtis & Tompkins, Ltd.

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 41087
Units: ug/L
Diln Fac: 1

Prep Date: 05/26/98
Analysis Date: 06/01/98

MB Lab ID: QC71448

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	90	17-107
Phenol-d5	93	18-115
2,4,6-Tribromophenol	90	14-121
Nitrobenzene-d5	94	36-115
2-Fluorobiphenyl	82	36-113
Terphenyl-d14	87	17-115

Lab #: 133756

BATCH QC REPORT

Curtis & Tompkins, Ltd

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41087
Units: ug/L
Diln Fac: 1

Prep Date: 05/26/98
Analysis Date: 06/01/98

BS Lab ID: QC71449

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	87.07	87		45-110
2-Chlorophenol	100	89.69	90		50-110
4-Chloro-3-methylphenol	100	80.24	80		48-110
4-Nitrophenol	100	68.16	68		30-110
Pentachlorophenol	100	71.01	71		10-110
1,4-Dichlorobenzene	50	35.04	70		38-110
N-Nitroso-di-n-propylamine	50	33.18	66		29-110
1,2,4-Trichlorobenzene	50	33.57	67		41-110
Acenaphthene	50	40.37	81		50-110
2,4-Dinitrotoluene	50	41.69	83		40-110
Pyrene	50	34.56	69		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	95	17-107
Phenol-d5	96	18-115
2,4,6-Tribromophenol	97	14-121
Nitrobenzene-d5	98	36-115
2-Fluorobiphenyl	81	36-113
Terphenyl-d14	82	17-115

BSD Lab ID: QC71450

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	80.77	81		45-110	8		23
2-Chlorophenol	100	83.37	83		50-110	7		23
4-Chloro-3-methylphenol	100	74.3	74		48-110	8		20
4-Nitrophenol	100	65.24	65		30-110	4		26
Pentachlorophenol	100	68.31	68		10-110	4		44
1,4-Dichlorobenzene	50	34.52	69		38-110	1		21
N-Nitroso-di-n-propylamine	50	32.28	65		29-110	3		22
1,2,4-Trichlorobenzene	50	33.63	67		41-110	0		21
Acenaphthene	50	40.38	81		50-110	0		18
2,4-Dinitrotoluene	50	42.11	84		40-110	1		19
Pyrene	50	37.54	75		43-110	8		19

Surrogate	%Rec	Limits
2-Fluorophenol	87	17-107
Phenol-d5	88	18-115
2,4,6-Tribromophenol	97	14-121
Nitrobenzene-d5	95	36-115
2-Fluorobiphenyl	85	36-113
Terphenyl-d14	90	17-115

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: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5697	Sampled:	05/20/98
Lab ID:	133756-001	Received:	05/21/98
Matrix:	Water	Extracted:	05/27/98
Batch#:	41130	Analyzed:	06/01/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.48
Aroclor-1221	ND	0.96
Aroclor-1232	ND	0.48
Aroclor-1242	ND	0.48
Aroclor-1248	ND	0.48
Aroclor-1254	ND	0.48
Aroclor-1260	ND	0.48

Surrogate	%Recovery	Recovery Limits
TCMX	1144*	19-130
Decachlorobiphenyl	27	22-110

* Values outside of QC limits

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	05/27/98
Batch#:	41130	Analysis Date:	06/01/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC71582

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	91	19-130
Decachlorobiphenyl	90	22-110

Polychlorinated Biphenyls

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: PCB
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41130
Units: ug/L
Diln Fac: 1

Prep Date: 05/27/98
Analysis Date: 06/01/98

BS Lab ID: QC71583

Analyte	Spike Added	BS	%Rec #	Limits
Aroclor-1260	5	3.9	77	61-119

Surrogate	%Rec	Limits
TCMX	90	19-130
Decachlorobiphenyl	59	22-110

BSD Lab ID: QC71584

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Aroclor-1260	5	3.7	73	61-119	5	15

Surrogate	%Rec	Limits
TCMX	87	19-130
Decachlorobiphenyl	66	22-110

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: 5697
LAB ID: 133756-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/20/98
DATE RECEIVED: 05/21/98
DATE REPORTED: 06/02/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	780	100	1	41179	EPA 6010A	06/02/98
Antimony	ND	60	1	41179	EPA 6010A	06/02/98
Arsenic	5.4	5.0	1	41179	EPA 6010A	06/02/98
Barium	18	10	1	41179	EPA 6010A	06/02/98
Beryllium	2.3	2.0	1	41179	EPA 6010A	06/02/98
Cadmium	ND	5.0	1	41179	EPA 6010A	06/02/98
Calcium	520000	10000	20	41179	EPA 6010A	06/02/98
Chromium (total)	ND	10	1	41179	EPA 6010A	06/02/98
Cobalt	1300	20	1	41179	EPA 6010A	06/02/98
Copper	1000	10	1	41179	EPA 6010A	06/02/98
Iron	2000	100	1	41179	EPA 6010A	06/02/98
Lead	6.6	3.0	1	41179	EPA 6010A	06/02/98
Magnesium	81000	500	1	41179	EPA 6010A	06/02/98
Manganese	7800	10	1	41179	EPA 6010A	06/02/98
Mercury	ND	0.20	1	41073	EPA 7470	05/26/98
Molybdenum	ND	20	1	41179	EPA 6010A	06/02/98
Nickel	970	20	1	41179	EPA 6010A	06/02/98
Potassium	6700	500	1	41179	EPA 6010A	06/02/98
Selenium	19	5.0	1	41179	EPA 6010A	06/02/98
Silver	ND	5.0	1	41179	EPA 6010A	06/02/98
Sodium	4400000	10000	20	41179	EPA 6010A	06/02/98
Thallium	ND	5.0	1	41179	EPA 6010A	06/02/98
Vanadium	ND	10	1	41179	EPA 6010A	06/02/98
Zinc	24	20	1	41179	EPA 6010A	06/02/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5697
LAB ID: 133756-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/20/98
DATE RECEIVED: 05/21/98
DATE REPORTED: 06/02/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	1100	100	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	1	41026	EPA 6010A	05/26/98
Arsenic	8.5	5.0	1	41026	EPA 6010A	05/26/98
Barium	26	10	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	41026	EPA 6010A	05/26/98
Calcium	640000	50000	100	41026	EPA 6010A	05/26/98
Chromium (total)	27	10	1	41026	EPA 6010A	05/26/98
Cobalt	2300	20	1	41026	EPA 6010A	05/26/98
Copper	1000	10	1	41026	EPA 6010A	05/26/98
Iron	2000	100	1	41026	EPA 6010A	05/26/98
Lead	6.7	3.0	1	41026	EPA 6010A	05/26/98
Magnesium	240000	50000	100	41026	EPA 6010A	05/26/98
Manganese	16000	10	1	41026	EPA 6010A	05/26/98
Mercury	0.78	0.20	1	41074	EPA 7470	05/26/98
Molybdenum	ND	20	1	41026	EPA 6010A	05/26/98
Nickel	1600	20	1	41026	EPA 6010A	05/26/98
Potassium	7100	500	1	41026	EPA 6010A	05/26/98
Selenium	7.8	5.0	1	41026	EPA 6010A	05/26/98
Silver	ND	5.0	1	41026	EPA 6010A	05/26/98
Sodium	5200000	50000	100	41026	EPA 6010A	05/26/98
Thallium	14	5.0	1	41026	EPA 6010A	05/26/98
Vanadium	ND	10	1	41026	EPA 6010A	05/26/98
Zinc	94	20	1	41026	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Aluminum	ND	100	ug/L	1	41179	EPA 6010A	06/01/98
Antimony	ND	60	ug/L	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	41179	EPA 6010A	06/01/98
Arsenic	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Arsenic	ND	5	ug/L	1	41179	EPA 6010A	06/01/98
Barium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Barium	ND	10	ug/L	1	41179	EPA 6010A	06/01/98
Beryllium	ND	2	ug/L	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	41179	EPA 6010A	06/01/98
Cadmium	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	41179	EPA 6010A	06/01/98
Calcium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	41179	EPA 6010A	06/01/98
Chromium (total)	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	41179	EPA 6010A	06/01/98
Cobalt	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	41179	EPA 6010A	06/02/98
Copper	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	41179	EPA 6010A	06/01/98
Iron	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	41179	EPA 6010A	06/02/98
Lead	ND	3	ug/L	1	41026	EPA 6010A	05/27/98
Lead	ND	3	ug/L	1	41179	EPA 6010A	06/01/98
Magnesium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Magnesium	ND	500	ug/L	1	41179	EPA 6010A	06/01/98
Manganese	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	41179	EPA 6010A	06/01/98
Mercury	ND	0.2	ug/L	1	41073	EPA 7470	05/26/98
Mercury	ND	0.2	ug/L	1	41074	EPA 7470	05/26/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Molybdenum	ND	20	ug/L	1	41179	EPA 6010A	06/01/98
Nickel	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	41179	EPA 6010A	06/01/98
Potassium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	41179	EPA 6010A	06/02/98
Selenium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Selenium	ND	5	ug/L	1	41179	EPA 6010A	06/01/98
Silver	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Silver	ND	5	ug/L	1	41179	EPA 6010A	06/01/98
Sodium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	41179	EPA 6010A	06/02/98
Thallium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Thallium	ND	5	ug/L	1	41179	EPA 6010A	06/01/98
Vanadium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Vanadium	ND	10	ug/L	1	41179	EPA 6010A	06/01/98
Zinc	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	41179	EPA 6010A	06/01/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/18/98

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	2091	2119	ug/L	105	106	80-120	1	35	41026	EPA 6010A	05/26/98
Antimony	500	488.9	509.8	ug/L	98	102	80-120	4	35	41026	EPA 6010A	05/26/98
Arsenic	2000	1983	2120	ug/L	99	106	80-120	7	35	41026	EPA 6010A	05/26/98
Barium	2000	2026	2045	ug/L	101	102	80-120	1	35	41026	EPA 6010A	05/26/98
Beryllium	50	51.65	51.9	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Cadmium	50	53.31	56.26	ug/L	107	113	80-120	5	35	41026	EPA 6010A	05/26/98
Calcium	20000	18120	18170	ug/L	91	91	80-120	0	35	41026	EPA 6010A	05/26/98
Chromium (total)	200	201.5	201.2	ug/L	101	101	80-120	0	35	41026	EPA 6010A	05/26/98
Cobalt	500	509.7	511.4	ug/L	102	102	80-120	0	35	41026	EPA 6010A	05/26/98
Copper	250	256.1	258.8	ug/L	102	104	80-120	1	35	41026	EPA 6010A	05/26/98
Iron	1000	1042	1043	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Lead	500	527	548	ug/L	105	110	80-120	4	35	41026	EPA 6010A	05/27/98
Magnesium	20000	20520	20690	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Manganese	500	500.6	503.7	ug/L	100	101	80-120	1	35	41026	EPA 6010A	05/26/98
Mercury	5	4.282	4.245	ug/L	86	85	80-120	1	35	41073	EPA 7470	05/26/98
Mercury	5	4.838	4.295	ug/L	97	86	80-120	12	35	41074	EPA 7470	05/26/98
Molybdenum	400	413.9	415	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Nickel	500	526.9	515.5	ug/L	105	103	80-120	2	35	41026	EPA 6010A	05/26/98
Potassium	20000	20320	20630	ug/L	102	103	80-120	2	35	41026	EPA 6010A	05/26/98
Selenium	2000	2110	2140	ug/L	106	107	80-120	1	35	41026	EPA 6010A	05/27/98
Silver	100	102.2	104.4	ug/L	102	104	80-120	2	35	41026	EPA 6010A	05/26/98
Sodium	20000	21380	21690	ug/L	107	109	80-120	1	35	41026	EPA 6010A	05/26/98
Thallium	2000	2240	2280	ug/L	112	114	80-120	2	35	41026	EPA 6010A	05/27/98
Vanadium	500	509.9	513.3	ug/L	102	103	80-120	1	35	41026	EPA 6010A	05/26/98
Zinc	500	519.2	527	ug/L	104	105	80-120	2	35	41026	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

BATCH QC REPORT
LABORATORY CONTROL SAMPLE

Compound	Spike Amt	Result	Units	% Rec.	QC Batch	Method	Analysis Date
Aluminum	2000	2405	ug/L	120	41179	EPA 6010A	06/01/98
Antimony	500	525	ug/L	105	41179	EPA 6010A	06/01/98
Arsenic	2000	2100	ug/L	105	41179	EPA 6010A	06/01/98
Barium	2000	2050	ug/L	103	41179	EPA 6010A	06/01/98
Beryllium	50	56.4	ug/L	113	41179	EPA 6010A	06/01/98
Cadmium	50	55.4	ug/L	111	41179	EPA 6010A	06/01/98
Calcium	20000	21990	ug/L	110	41179	EPA 6010A	06/01/98
Chromium (total)	200	217	ug/L	109	41179	EPA 6010A	06/01/98
Cobalt	500	556	ug/L	111	41179	EPA 6010A	06/01/98
Copper	250	273	ug/L	109	41179	EPA 6010A	06/01/98
Iron	1000	1046	ug/L	105	41179	EPA 6010A	06/02/98
Lead	500	537	ug/L	107	41179	EPA 6010A	06/01/98
Magnesium	20000	22940	ug/L	115	41179	EPA 6010A	06/01/98
Manganese	500	531	ug/L	106	41179	EPA 6010A	06/01/98
Molybdenum	400	448	ug/L	112	41179	EPA 6010A	06/01/98
Nickel	500	542	ug/L	108	41179	EPA 6010A	06/01/98
Potassium	20000	20740	ug/L	104	41179	EPA 6010A	06/02/98
Selenium	2000	2160	ug/L	108	41179	EPA 6010A	06/01/98
Silver	100	108	ug/L	108	41179	EPA 6010A	06/01/98
Sodium	20000	21760	ug/L	109	41179	EPA 6010A	06/02/98
Thallium	2000	2190	ug/L	110	41179	EPA 6010A	06/01/98
Vanadium	500	544	ug/L	109	41179	EPA 6010A	06/01/98
Zinc	500	526	ug/L	105	41179	EPA 6010A	06/01/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

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
Aluminum	133802-001	<100.000	2000	2164	2540	ug/L	108	116	65-135	1	35	41179	EPA 6010A	06/01/98
Aluminum	133789-004	170	2000	2346	2540	ug/L	109	116	65-135	1	35	41179	EPA 6010A	06/01/98
Aluminum	133789-003	230	2000	2522	2540	ug/L	115	116	65-135	1	35	41179	EPA 6010A	06/01/98
Antimony	133789-003	<60.000	500	459	545	ug/L	92	109	65-135	17	35	41179	EPA 6010A	06/01/98
Antimony	133789-004	<60.000	500	460	545	ug/L	92	109	65-135	17	35	41179	EPA 6010A	06/01/98
Antimony	133802-001	<60.000	500	516	545	ug/L	103	109	65-135	17	35	41179	EPA 6010A	06/01/98
Arsenic	133789-004	<5.000	2000	2000	2180	ug/L	100	109	65-135	3	35	41179	EPA 6010A	06/01/98
Arsenic	133802-001	<5.000	2000	2110	2180	ug/L	106	109	65-135	3	35	41179	EPA 6010A	06/01/98
Arsenic	133789-003	<5.000	2000	2120	2180	ug/L	106	109	65-135	3	35	41179	EPA 6010A	06/01/98
Barium	133789-004	<10.000	2000	2020	2080	ug/L	101	103	65-135	2	35	41179	EPA 6010A	06/01/98
Barium	133802-001	17	2000	2040	2080	ug/L	101	103	65-135	2	35	41179	EPA 6010A	06/01/98
Barium	133789-003	18	2000	2050	2080	ug/L	102	103	65-135	2	35	41179	EPA 6010A	06/01/98
Beryllium	133789-004	<2.000	50	53.1	59	ug/L	106	118	65-135	3	35	41179	EPA 6010A	06/01/98
Beryllium	133802-001	<2.000	50	56.1	59	ug/L	112	118	65-135	3	35	41179	EPA 6010A	06/01/98
Beryllium	133789-003	<2.000	50	57.3	59	ug/L	115	118	65-135	3	35	41179	EPA 6010A	06/01/98
Cadmium	133789-004	<5.000	50	52.3	58	ug/L	105	116	65-135	3	35	41179	EPA 6010A	06/01/98
Cadmium	133802-001	<5.000	50	56.1	58	ug/L	112	116	65-135	3	35	41179	EPA 6010A	06/01/98
Cadmium	133789-003	<5.000	50	56.5	58	ug/L	113	116	65-135	3	35	41179	EPA 6010A	06/01/98
Calcium	133789-004	11000	20000	30360	31980	ug/L	98	113	65-135	2	35	41179	EPA 6010A	06/01/98
Calcium	133789-003	9300	20000	31220	31980	ug/L	109	113	65-135	2	35	41179	EPA 6010A	06/01/98
Calcium	133802-001	30000	20000	49290	31980	ug/L	97	113	65-135	2	35	41179	EPA 6010A	06/01/98
Chromium (total)	133789-004	<10.000	200	202	224	ug/L	101	112	65-135	3	35	41179	EPA 6010A	06/01/98
Chromium (total)	133802-001	<10.000	200	213	224	ug/L	107	112	65-135	3	35	41179	EPA 6010A	06/01/98
Chromium (total)	133789-003	<10.000	200	218	224	ug/L	109	112	65-135	3	35	41179	EPA 6010A	06/01/98
Cobalt	133789-004	<20.000	500	524	587	ug/L	105	113	65-135	3	35	41179	EPA 6010A	06/01/98
Cobalt	133802-001	<20.000	500	567	587	ug/L	113	113	65-135	3	35	41179	EPA 6010A	06/01/98
Cobalt	133789-003	22	500	569	587	ug/L	109	113	65-135	3	35	41179	EPA 6010A	06/01/98
Copper	133789-004	<10.000	250	266	276	ug/L	106	110	65-135	2	35	41179	EPA 6010A	06/01/98
Copper	133802-001	<10.000	250	272	276	ug/L	109	110	65-135	2	35	41179	EPA 6010A	06/01/98
Copper	133789-003	<10.000	250	272	276	ug/L	109	110	65-135	2	35	41179	EPA 6010A	06/01/98
Iron	133789-003	<100.000	1000	1055	1057	ug/L	106	106	65-135	0	35	41179	EPA 6010A	06/02/98
Lead	133789-004	<3.000	500	508	568	ug/L	102	114	65-135	4	35	41179	EPA 6010A	06/01/98
Lead	133789-003	<3.000	500	545	568	ug/L	109	114	65-135	4	35	41179	EPA 6010A	06/01/98
Lead	133802-001	<3.000	500	550	568	ug/L	110	114	65-135	4	35	41179	EPA 6010A	06/01/98
Magnesium	133789-004	1900	20000	23050	25570	ug/L	106	121	65-135	3	35	41179	EPA 6010A	06/01/98
Magnesium	133789-003	1400	20000	24790	25570	ug/L	117	121	65-135	3	35	41179	EPA 6010A	06/01/98
Magnesium	133802-001	6300	20000	29430	25570	ug/L	116	121	65-135	3	35	41179	EPA 6010A	06/01/98
Manganese	133789-004	47	500	549	584	ug/L	100	110	65-135	3	35	41179	EPA 6010A	06/01/98
Manganese	133789-003	36	500	569	584	ug/L	107	110	65-135	3	35	41179	EPA 6010A	06/01/98
Manganese	133802-001	80	500	607	584	ug/L	105	110	65-135	3	35	41179	EPA 6010A	06/01/98
Mercury	133698-008	<0.200	5	4.442	4.786	ug/L	89	96	65-135	8	35	41073	EPA 7470	05/26/98
Molybdenum	133789-004	<20.000	400	432	490	ug/L	108	114	65-135	3	35	41179	EPA 6010A	06/01/98
Molybdenum	133802-001	21	400	461	490	ug/L	110	114	65-135	3	35	41179	EPA 6010A	06/01/98
Molybdenum	133789-003	33	400	476	490	ug/L	111	114	65-135	3	35	41179	EPA 6010A	06/01/98
Nickel	133789-004	<20.000	500	512	567	ug/L	102	113	65-135	3	35	41179	EPA 6010A	06/01/98
Nickel	133802-001	<20.000	500	547	567	ug/L	109	113	65-135	3	35	41179	EPA 6010A	06/01/98
Nickel	133789-003	<20.000	500	551	567	ug/L	110	113	65-135	3	35	41179	EPA 6010A	06/01/98
Potassium	133789-003	1400	20000	21900	21830	ug/L	102	102	65-135	0	35	41179	EPA 6010A	06/02/98
Selenium	133789-004	<5.000	2000	2080	2240	ug/L	104	112	65-135	3	35	41179	EPA 6010A	06/01/98
Selenium	133789-003	<5.000	2000	2170	2240	ug/L	109	112	65-135	3	35	41179	EPA 6010A	06/01/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

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
Selenium	133802-001	<5.000	2000	2220	2240	ug/L	111	112	65-135	3	35	41179	EPA 6010A	06/01/98
Silver	133789-004	<5.000	100	101	109	ug/L	101	109	65-135	2	35	41179	EPA 6010A	06/01/98
Silver	133802-001	<5.000	100	105	109	ug/L	105	109	65-135	2	35	41179	EPA 6010A	06/01/98
Silver	133789-003	<5.000	100	107	109	ug/L	107	109	65-135	2	35	41179	EPA 6010A	06/01/98
Sodium	133789-003	7600	20000	28710	28750	ug/L	105	106	65-135	0	35	41179	EPA 6010A	06/02/98
Thallium	133789-004	<5.000	2000	2030	2280	ug/L	102	114	65-135	3	35	41179	EPA 6010A	06/01/98
Thallium	133802-001	<5.000	2000	2170	2280	ug/L	109	114	65-135	3	35	41179	EPA 6010A	06/01/98
Thallium	133789-003	<5.000	2000	2210	2280	ug/L	111	114	65-135	3	35	41179	EPA 6010A	06/01/98
Vanadium	133789-004	<10.000	500	518	560	ug/L	104	112	65-135	2	35	41179	EPA 6010A	06/01/98
Vanadium	133802-001	<10.000	500	538	560	ug/L	108	112	65-135	2	35	41179	EPA 6010A	06/01/98
Vanadium	133789-003	<10.000	500	548	560	ug/L	110	112	65-135	2	35	41179	EPA 6010A	06/01/98
Zinc	133789-004	<20.000	500	521	553	ug/L	104	111	65-135	1	35	41179	EPA 6010A	06/01/98
Zinc	133789-003	<20.000	500	546	553	ug/L	109	111	65-135	1	35	41179	EPA 6010A	06/01/98
Zinc	133802-001	36	500	566	553	ug/L	106	111	65-135	1	35	41179	EPA 6010A	06/01/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133611-001	802.7	797.2	ug/L	1	20	41026	EPA 6010A	05/26/98
Antimony	133611-001	<60.000	<60.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Arsenic	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Barium	133611-001	50.8	50.59	ug/L	0	20	41026	EPA 6010A	05/26/98
Beryllium	133611-001	<2.000	<2.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cadmium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Calcium	133611-001	510800	487200	ug/L	5	20	41026	EPA 6010A	05/26/98
Chromium (total)	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cobalt	133611-001	<20.000	26.59	ug/L	NC	20	41026	EPA 6010A	05/26/98
Copper	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Iron	133611-001	10760	10730	ug/L	0	20	41026	EPA 6010A	05/26/98
Lead	133611-001	<3.000	<3.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Magnesium	133611-001	376600	358900	ug/L	5	20	41026	EPA 6010A	05/26/98
Manganese	133611-001	5630	5611	ug/L	0	20	41026	EPA 6010A	05/26/98
Mercury	133700-001	<0.200	<0.200	ug/L	NC	20	41074	EPA 7470	05/26/98
Molybdenum	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Nickel	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Potassium	133611-001	6358	6475	ug/L	2	20	41026	EPA 6010A	05/26/98
Selenium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Silver	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Sodium	133611-001	41100	40920	ug/L	0	20	41026	EPA 6010A	05/26/98
Thallium	133611-001	14.4	19.6	ug/L	31*	20	41026	EPA 6010A	05/27/98
Vanadium	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Zinc	133611-001	39.77	39.77	ug/L	0	20	41026	EPA 6010A	05/26/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133756

DATE REPORTED: 06/02/98

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	133611-001	802.7	2723	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Antimony	500	133611-001	<60.000	426.1	ug/L	85	65-135	41026	EPA 6010A	05/26/98
Arsenic	2000	133611-001	<5.000	2000	ug/L	100	65-135	41026	EPA 6010A	05/27/98
Barium	2000	133611-001	50.8	1928	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Beryllium	50	133611-001	<2.000	47.27	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cadmium	50	133611-001	<5.000	47.87	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Calcium	20000	133611-001	510800	555500	ug/L	224* NM	65-135	41026	EPA 6010A	05/26/98
Chromium (total)	200	133611-001	<10.000	190.2	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cobalt	500	133611-001	<20.000	473.1	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Copper	250	133611-001	<10.000	240.2	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Iron	1000	133611-001	10760	11340	ug/L	58* NM	65-135	41026	EPA 6010A	05/26/98
Lead	500	133611-001	<3.000	512	ug/L	102	65-135	41026	EPA 6010A	05/27/98
Magnesium	20000	133611-001	376600	425900	ug/L	247* NM	65-135	41026	EPA 6010A	05/26/98
Manganese	500	133611-001	5630	5908	ug/L	56* NM	65-135	41026	EPA 6010A	05/26/98
Mercury	5	133700-001	<0.200	3.254	ug/L	65	65-135	41074	EPA 7470	05/26/98
Molybdenum	400	133611-001	<20.000	370.3	ug/L	93	65-135	41026	EPA 6010A	05/26/98
Nickel	500	133611-001	<20.000	483.6	ug/L	97	65-135	41026	EPA 6010A	05/26/98
Potassium	20000	133611-001	6358	26200	ug/L	99	65-135	41026	EPA 6010A	05/26/98
Selenium	2000	133611-001	<5.000	2110	ug/L	106	65-135	41026	EPA 6010A	05/27/98
Silver	100	133611-001	<5.000	97.73	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Sodium	20000	133611-001	41100	60700	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Thallium	2000	133611-001	14.4	2100	ug/L	104	65-135	41026	EPA 6010A	05/27/98
Vanadium	500	133611-001	<10.000	467.7	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Zinc	500	133611-001	39.77	511.3	ug/L	94	65-135	41026	EPA 6010A	05/26/98

* = Out of Limits
NM = Not Meaningful

Quanterra Incorporated
880 Riverside Parkway
West Sacramento, California 95605

916 373-5600 Telephone
916 372-1059 Fax

Quanterra Environmental Services

June 3, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099326**
PO/CONTRACT: **Project #133756**

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 22 May 1998.

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/rr

Quanterra
Environmental Services

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER 099326

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 Sheet
- Laboratory QC Reports
- Initial Calibration Summary & Analysis Logs
- Continuing Calibration Summaries & Analysis Logs

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099326

Please note that due to the oily nature of the sample, centrifugation and additional solvent were required to concentrate to final volume.

There was no surrogate recovery due to required sample dilution.

There were no other 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
099326-0001-SA	5697	AQUEOUS	20 MAY 98		22 MAY 98

201

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133756

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5697	20-MAY-98	Water	8330	133756-001

***Please report using Sample ID instead of C&T Lab #.

Notes:

RELINQUISHED BY:		RECEIVED BY:	
[signature]	5/21/98 Date/Time	[signature]	052298 9:00 Date/Time
	Date/Time		Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Rec'd in good condition 052298 [signature]

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5697
LAB ID: 099326-0001-SA
Matrix: AQUEOUS Sampled: 20 MAY 98 Received: 22 MAY 98
Authorized: 22 MAY 98 Prepared: 26 MAY 98 Analyzed: 28 MAY 98

Dilution Factor: 3000

Parameter	Result	Units	Reporting Limit	Qualifier
HMX	ND	ug/L	3000	o
1,3,5-Trinitrobenzene	7100	ug/L	900	
RDX	ND	ug/L	2400	
1,3-Dinitrobenzene	4000	ug/L	300	
Nitrobenzene	ND	ug/L	3000	
2,4,6-Trinitrotoluene	ND	ug/L	300	
Tetryl	ND	ug/L	3000	
2,4-Dinitrotoluene	2700	ug/L	300	
2,6-Dinitrotoluene	ND	ug/L	900	
2-Am-DNT	ND	ug/L	300	
4-Am-DNT	ND	ug/L	300	
2-Nitrotoluene	ND	ug/L	3000	
4-Nitrotoluene	ND	ug/L	3000	
3-Nitrotoluene	ND	ug/L	3000	

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: Emily Uebelhoer

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)
099326-0001-SA	AQUEOUS	8330-LOW-A	26 MAY 98-11A	26 MAY 98-11A

Quanterra
Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099326

Test: 8330-LOW-A
Method: 8330
Matrix: AQUEOUS
QC Lot: 26 MAY 98-11A
Analyzed: 27 MAY 98

Nitroaromatics and Nitramines by HPLC

QC Run: 26 MAY 98-11A
Time: 21:51

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	102	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099326

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 26 MAY 98-11A Analyzed Date: 27 MAY 98 Time: 23:17

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.554	0.563	111	113	65-135	1.7	35
1,3,5-Trinitrobenzene	0.500	0.548	0.587	110	117	65-135	6.7	35
RDX	0.500	0.507	0.584	101	117	65-135	14	35
1,3-Dinitrobenzene	0.500	0.536	0.556	107	111	65-135	3.6	35
Nitrobenzene	0.500	0.532	0.591	106	118	65-135	11	35
2,4,6-Trinitrotoluene	0.500	0.583	0.602	117	120	65-135	3.2	35
Tetryl	0.500	0.572	0.599	114	120	65-135	4.7	35
2,4-Dinitrotoluene	0.500	0.554	0.574	111	115	65-135	3.5	35
2,6-Dinitrotoluene	0.500	0.583	0.588	117	118	65-135	0.87	35
2-Am-DNT	0.500	0.557	0.558	111	112	65-135	0.25	35
4-Am-DNT	0.500	0.562	0.575	112	115	65-135	2.3	35
2-Nitrotoluene	0.500	0.481	0.550	96	110	65-135	13	35
4-Nitrotoluene	0.500	0.550	0.550	110	110	65-135	0.036	35
3-Nitrotoluene	0.500	0.509	0.550	102	110	65-135	7.6	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.6	99	101	65-135

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Number 133643

IT Corporation
312 Directors Drive
Knoxville, TN 37923

Project#: 773206
Location: Plumbrook Ordinance Wor

Sample ID	Lab ID
5767	133643-001
9011	133643-002

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: 6-18-98
Title: Operations Manager

Signature: _____ Date: 6/17/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: 133643 **Received Date: 05/15/98**
Client: IT Corporation
Location: Plumbrook Ordanance Works
Project #: 773206

CASE NARRATIVE

This hardcopy data package contains sample and QC results for two water samples which were received from the site referenced above on May 15, 1998.

Volatiles: No analytical problems were encountered.

Semi-volatiles: A high relative standard deviation (%RSD) was observed for bis(2-ethylhexyl)phthalate in the initial calibration which was analyzed on May 19, 1998 (uej). The compound met the minimum response criteria and was not detected in the sample or method blank. No other analytical problems were encountered.

PCBs: A high percent difference (%D) was observed for Aroclor 1221 in the continuing calibration verification which was analyzed on May 27, 1998 (146A034). 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: A high relative percent difference (%RPDs) was observed for thallium for the sample duplicate of 5497 (CT#133611-001). The spike recoveries for calcium, iron, magnesium, and manganese in the matrix spike of 5497 (CT#133611-001) 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: One sample was subcontracted to Quanterra Environmental Services for analysis.

133643

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBGW-051498CURT

Project Number: 773206

Samples Shipment Date: 14-MAY-98

Project Name: FLUMBROOK ORDNANCE WOR

ab Destination: Curtis and Tomkins Lab

Sample Coordinator: Duane Nielsen

Lab Contact: Carol Wortham (PM) or

Turnaround Time:

Project Contact: Kim Napier

Carrier/Waybill No.: Fed Ex/800185154018

Bill To: Accounts Receivable
312 Directors Drive
Knoxville TN 37923

Report To: Kim Napier
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Identification:

Non-hazard | Flammable | Skin Irritant | Poison B | Unknown X

1. Relinquished By (Signature/Affiliation) — Date: 5/14/98 Time: 1800

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

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

Sample Disposal:

Return to Client | Disposal by Lab X | Archive (mos.)

1. Received By (Signature/Affiliation) — Date: 5/15/98 Time: 10

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

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

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
5767	PBOW-98-GW-MKMW14-5767	14-MAY-98	12:00	1 L HDPE	2	HNO3, pH<2	TAL Metals by SW-846 6010A/7470 in water	N		
5767	PBOW-98-GW-MKMW14-5767	14-MAY-98	12:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
5767	PBOW-98-GW-MKMW14-5767	14-MAY-98	12:00	40 ml GVIAL,SEP	3	HCl, pH<2	TCL Volatiles by SW-846 8260A	N		
5767	PBOW-98-GW-MKMW14-5767	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
5767	PBOW-98-GW-MKMW14-5767	14-MAY-98	12:00	1 L Amb. Glass	2	None except cool to 4 C	PCBs by SW8081	N		
9011	PBOW-98-GW-MKMW14-9011	14-MAY-98	10:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

003

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 5767
Lab ID: 133643-001
Matrix: Water
Batch#: 40966
Units: ug/L
Diln Fac: 1

Sampled: 05/14/98
Received: 05/15/98
Extracted: 05/21/98
Analyzed: 05/21/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	104	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	106	84-115

Plumbrook

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 133643 Date Received: 5/15 Number of Coolers: 1
Client: ITK Project: 773206 Plumbrook

A. Preliminary Examination Phase
Date Opened: 5/15 By (print): J. Williams (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES NO
   If YES, enter carrier name and airbill number: Fedex 8001 8515 4018
2. Were custody seals on outside of cooler? ..... YES NO
   How many and where? Front Seal date: 5/19 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: Gel Temperature: 4.75°C

B. Login Phase
Date Logged In: 5/15 By (print): J. Williams (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 SEAL
DATE: 5/19/98

Filename: F:\qc\forms\cooler.wpd

Volatile Organics by GC/MS

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: 9011
Lab ID: 133643-002
Matrix: Water
Batch#: 40966
Units: ug/L
Diln Fac: 1

Sampled: 05/14/98
Received: 05/15/98
Extracted: 05/21/98
Analyzed: 05/21/98

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Recovery	Recovery Limits
Dibromofluoromethane	104	76-128
1,2-Dichloroethane-d4	105	85-121
Toluene-d8	102	92-110
Bromofluorobenzene	107	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 40966
Units: ug/L
Diln Fac: 1

Prep Date: 05/20/98
Analysis Date: 05/20/98

MB Lab ID: QC70978

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	101	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	106	84-115

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 40966
Units: ug/L
Diln Fac: 1

Prep Date: 05/20/98
Analysis Date: 05/20/98

MB Lab ID: QC70979

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	20
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%Rec	Recovery Limits
Dibromofluoromethane	102	76-128
1,2-Dichloroethane-d4	101	85-121
Toluene-d8	100	92-110
Bromofluorobenzene	106	84-115

Lab #: 133643

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8260 Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 40966
Units: ug/L
Diln Fac: 1

Prep Date: 05/20/98
Analysis Date: 05/20/98

BS Lab ID: QC70976

Analyte	Spike Added	BS	%Rec #	Limits
1,1-Dichloroethene	50	47.75	95	69-137
Benzene	50	52.03	104	87-117
Trichloroethene	50	53.03	106	83-116
Toluene	50	55.85	112	88-116
Chlorobenzene	50	55.29	111	87-117

Surrogate	%Rec	Limits
Dibromofluoromethane	100	76-128
1,2-Dichloroethane-d4	99	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	100	84-115

BSD Lab ID: QC70977

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	47.24	94	69-137	1	14
Benzene	50	50.54	101	87-117	3	10
Trichloroethene	50	51.88	104	83-116	2	10
Toluene	50	53.9	108	88-116	4	10
Chlorobenzene	50	53.64	107	87-117	3	10

Surrogate	%Rec	Limits
Dibromofluoromethane	101	76-128
1,2-Dichloroethane-d4	99	85-121
Toluene-d8	101	92-110
Bromofluorobenzene	101	84-115

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
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

Field ID: 5767
Lab ID: 133643-001
Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Sampled: 05/14/98
Received: 05/15/98
Extracted: 05/18/98
Analyzed: 05/20/98

Analyte	Result	Reporting Limit
Phenol	ND	9.4
2-Chlorophenol	ND	9.4
Benzyl alcohol	ND	9.4
2-Methylphenol	ND	9.4
3,4-Methylphenol	ND	9.4
2-Nitrophenol	ND	47
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
2,4-Dichlorophenol	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2,4-Dinitrophenol	ND	47
4-Nitrophenol	ND	47
4,6-Dinitro-2-methylphenol	ND	47
Pentachlorophenol	ND	9.4
N-Nitrosodimethylamine	ND	9.4
Aniline	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
1,2-Dichlorobenzene	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
bis(2-Chloroethoxy)methane	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	47
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	47
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4

Semivolatile Organics by GC/MS

Field ID:	5767	Sampled:	05/14/98
Lab ID:	133643-001	Received:	05/15/98
Matrix:	Water	Extracted:	05/18/98
Batch#:	40923	Analyzed:	05/20/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	47
Acenaphthene	ND	9.4
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
Fluorene	ND	9.4
4-Nitroaniline	ND	47
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	47
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b,k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	85	17-107
Phenol-d5	89	18-115
2,4,6-Tribromophenol	91	14-121
Nitrobenzene-d5	93	36-115
2-Fluorobiphenyl	92	36-113
Terphenyl-d14	83	17-115

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

MB Lab ID: QC70823

Analyte	Result	Reporting Limit
Phenol	ND	10
2-Chlorophenol	ND	10
Benzyl alcohol	ND	10
2-Methylphenol	ND	10
3,4-Methylphenol	ND	10
2-Nitrophenol	ND	50
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
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	10
N-Nitrosodimethylamine	ND	10
Aniline	ND	10
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

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

MB Lab ID: QC70823

Analyte	Result	Reporting Limit
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	50
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	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	98	17-107
Phenol-d5	101	18-115
2,4,6-Tribromophenol	98	14-121
Nitrobenzene-d5	100	36-115
2-Fluorobiphenyl	99	36-113
Terphenyl-d14	94	17-115

Lab #: 133643

BATCH QC REPORT

Curtis & Tompkins, Ltd.

EPA 8270 Semi-Volatile Organics

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: EPA 8270B
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 40923
Units: ug/L
Diln Fac: 1

Prep Date: 05/18/98
Analysis Date: 05/20/98

BS Lab ID: QC70824

Analyte	Spike Added	BS	%Rec	#	Limits
Phenol	100	83.6	84		45-110
2-Chlorophenol	100	90.57	91		50-110
4-Chloro-3-methylphenol	100	83.55	84		48-110
4-Nitrophenol	100	70.94	71		30-110
Pentachlorophenol	100	68.97	69		10-110
1,4-Dichlorobenzene	50	42.35	85		38-110
N-Nitroso-di-n-propylamine	50	40.44	81		29-110
1,2,4-Trichlorobenzene	50	40.53	81		41-110
Acenaphthene	50	47.34	95		50-110
2,4-Dinitrotoluene	50	42.83	86		40-110
Pyrene	50	40.45	81		43-110

Surrogate	%Rec	Limits
2-Fluorophenol	89	17-107
Phenol-d5	93	18-115
2,4,6-Tribromophenol	95	14-121
Nitrobenzene-d5	101	36-115
2-Fluorobiphenyl	96	36-113
Terphenyl-d14	95	17-115

BSD Lab ID: QC70825

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Phenol	100	81.51	82		45-110	3		23
2-Chlorophenol	100	87.74	88		50-110	3		23
4-Chloro-3-methylphenol	100	81.49	81		48-110	2		20
4-Nitrophenol	100	70.38	70		30-110	1		26
Pentachlorophenol	100	69.69	70		10-110	1		44
1,4-Dichlorobenzene	50	38	76		38-110	11		21
N-Nitroso-di-n-propylamine	50	38.16	76		29-110	6		22
1,2,4-Trichlorobenzene	50	36.23	72		41-110	11		21
Acenaphthene	50	44.24	88		50-110	7		18
2,4-Dinitrotoluene	50	39.46	79		40-110	8		19
Pyrene	50	37.36	75		43-110	8		19

Surrogate	%Rec	Limits
2-Fluorophenol	89	17-107
Phenol-d5	90	18-115
2,4,6-Tribromophenol	90	14-121
Nitrobenzene-d5	93	36-115
2-Fluorobiphenyl	88	36-113
Terphenyl-d14	87	17-115

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: 0 out of 22 outside limits

PCBs

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

Field ID:	5767	Sampled:	05/14/98
Lab ID:	133643-001	Received:	05/15/98
Matrix:	Water	Extracted:	05/20/98
Batch#:	41000	Analyzed:	05/27/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.94
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	ND	0.47

Surrogate	%Recovery	Recovery Limits
TCMX	74	19-130
Decachlorobiphenyl	31	22-110

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client:	IT Corporation	Analysis Method:	PCB
Project#:	773206	Prep Method:	EPA 3520
Location:	Plumbrook Ordinance Wor		

METHOD BLANK

Matrix:	Water	Prep Date:	05/20/98
Batch#:	41000	Analysis Date:	05/27/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC71105

Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.5
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

Surrogate	%Rec	Recovery Limits
TCMX	73	19-130
Decachlorobiphenyl	50	22-110

Lab #: 133643

BATCH QC REPORT

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls

Client: IT Corporation
Project#: 773206
Location: Plumbrook Ordinance Wor

Analysis Method: PCB
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41000
Units: ug/L
Diln Fac: 1

Prep Date: 05/20/98
Analysis Date: 05/27/98

BS Lab ID: QC71106

Analyte	Spike Added	BS	%Rec	#	Limits
Aroclor-1260	5	4.4	88		61-119

Surrogate	%Rec	Limits
TCMX	78	19-130
Decachlorobiphenyl	62	22-110

BSD Lab ID: QC71107

Analyte	Spike Added	BSD	%Rec	#	Limits	RPD	#	Limit
Aroclor-1260	5	4.7	93		61-119	6		15

Surrogate	%Rec	Limits
TCMX	85	19-130
Decachlorobiphenyl	83	22-110

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: 5767
LAB ID: 133643-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Filtrate

DATE SAMPLED: 05/14/98
DATE RECEIVED: 05/15/98
DATE REPORTED: 05/28/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	280	100	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	40949	EPA 6010A	05/26/98
Barium	150	10	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	40949	EPA 6010A	05/26/98
Calcium	140000	500	1	40949	EPA 6010A	05/26/98
Chromium (total)	ND	10	1	40949	EPA 6010A	05/26/98
Cobalt	ND	20	1	40949	EPA 6010A	05/26/98
Copper	ND	10	1	40949	EPA 6010A	05/26/98
Iron	18000	100	1	40949	EPA 6010A	05/26/98
Lead	ND	3.0	1	40949	EPA 6010A	05/26/98
Magnesium	22000	500	1	40949	EPA 6010A	05/26/98
Manganese	340	10	1	40949	EPA 6010A	05/26/98
Mercury	ND	0.20	1	41035	EPA 7470	05/22/98
Molybdenum	ND	20	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	1	40949	EPA 6010A	05/26/98
Potassium	ND	500	1	40949	EPA 6010A	05/26/98
Selenium	ND	5.0	1	40949	EPA 6010A	05/26/98
Silver	ND	5.0	1	40949	EPA 6010A	05/26/98
Sodium	5000	500	1	40949	EPA 6010A	05/26/98
Thallium	9.4	5.0	1	40949	EPA 6010A	05/27/98
Vanadium	ND	10	1	40949	EPA 6010A	05/26/98
Zinc	ND	20	1	40949	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

SAMPLE ID: 5767
LAB ID: 133643-001
CLIENT: IT Corporation
PROJECT ID: 773206
LOCATION: Plumbrook Ordinance Wor
MATRIX: Water

DATE SAMPLED: 05/14/98
DATE RECEIVED: 05/15/98
DATE REPORTED: 05/28/98

TARGET ANALYTE LIST

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Aluminum	2900	100	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5.0	1	41026	EPA 6010A	05/27/98
Barium	110	10	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2.0	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5.0	1	41026	EPA 6010A	05/26/98
Calcium	100000	500	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	1	41026	EPA 6010A	05/26/98
Copper	ND	10	1	41026	EPA 6010A	05/26/98
Iron	17000	100	1	41026	EPA 6010A	05/26/98
Lead	ND	3.0	1	41026	EPA 6010A	05/27/98
Magnesium	17000	500	1	41026	EPA 6010A	05/26/98
Manganese	270	10	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.20	1	40973	EPA 7470	05/20/98
Molybdenum	ND	20	1	41026	EPA 6010A	05/26/98
Nickel	37	20	1	41026	EPA 6010A	05/26/98
Potassium	ND	500	1	41026	EPA 6010A	05/26/98
Selenium	ND	5.0	1	41026	EPA 6010A	05/27/98
Silver	ND	5.0	1	41026	EPA 6010A	05/26/98
Sodium	5000	500	1	41026	EPA 6010A	05/26/98
Thallium	17	5.0	1	41026	EPA 6010A	05/27/98
Vanadium	ND	10	1	41026	EPA 6010A	05/26/98
Zinc	34	20	1	41026	EPA 6010A	05/26/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Aluminum	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Aluminum	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	40949	EPA 6010A	05/26/98
Antimony	ND	60	ug/L	1	41026	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Arsenic	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Barium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Barium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	40949	EPA 6010A	05/26/98
Beryllium	ND	2	ug/L	1	41026	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Cadmium	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Calcium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Chromium (total)	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Cobalt	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Copper	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	40949	EPA 6010A	05/26/98
Iron	ND	100	ug/L	1	41026	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	40949	EPA 6010A	05/26/98
Lead	ND	3	ug/L	1	41026	EPA 6010A	05/27/98
Magnesium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Magnesium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Manganese	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Mercury	ND	0.2	ug/L	1	40973	EPA 7470	05/20/98
Mercury	ND	0.2	ug/L	1	41035	EPA 7470	05/22/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

BATCH QC REPORT
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Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Molybdenum	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Molybdenum	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Nickel	ND	20	ug/L	1	41026	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Potassium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Selenium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Silver	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Silver	ND	5	ug/L	1	41026	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	40949	EPA 6010A	05/26/98
Sodium	ND	500	ug/L	1	41026	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	40949	EPA 6010A	05/26/98
Thallium	ND	5	ug/L	1	41026	EPA 6010A	05/27/98
Vanadium	ND	10	ug/L	1	40949	EPA 6010A	05/26/98
Vanadium	ND	10	ug/L	1	41026	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	40949	EPA 6010A	05/26/98
Zinc	ND	20	ug/L	1	41026	EPA 6010A	05/26/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 06/16/98

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	2091	2119	ug/L	105	106	80-120	1	35	41026	EPA 6010A	05/26/98
Antimony	500	488.9	509.8	ug/L	98	102	80-120	4	35	41026	EPA 6010A	05/26/98
Arsenic	2000	1983	2120	ug/L	99	106	80-120	7	35	41026	EPA 6010A	05/26/98
Barium	2000	2026	2045	ug/L	101	102	80-120	1	35	41026	EPA 6010A	05/26/98
Beryllium	50	51.65	51.9	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Cadmium	50	53.31	56.26	ug/L	107	113	80-120	5	35	41026	EPA 6010A	05/26/98
Calcium	20000	18120	18170	ug/L	91	91	80-120	0	35	41026	EPA 6010A	05/26/98
Chromium (total)	200	201.5	201.2	ug/L	101	101	80-120	0	35	41026	EPA 6010A	05/26/98
Cobalt	500	509.7	511.4	ug/L	102	102	80-120	0	35	41026	EPA 6010A	05/26/98
Copper	250	256.1	258.8	ug/L	102	104	80-120	1	35	41026	EPA 6010A	05/26/98
Iron	1000	1042	1043	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Lead	500	527	548	ug/L	105	110	80-120	4	35	41026	EPA 6010A	05/27/98
Magnesium	20000	20520	20690	ug/L	103	104	80-120	1	35	41026	EPA 6010A	05/26/98
Manganese	500	500.6	503.7	ug/L	100	101	80-120	1	35	41026	EPA 6010A	05/26/98
Mercury	5	5.659	4.823	ug/L	113	97	80-120	16	35	40973	EPA 7470	05/20/98
Mercury	5	4.757	4.493	ug/L	95	90	80-120	6	35	41035	EPA 7470	05/22/98
Molybdenum	400	413.9	415	ug/L	104	104	80-120	0	35	41026	EPA 6010A	05/26/98
Nickel	500	526.9	515.5	ug/L	105	103	80-120	2	35	41026	EPA 6010A	05/26/98
Potassium	20000	20320	20630	ug/L	102	103	80-120	2	35	41026	EPA 6010A	05/26/98
Selenium	2000	2110	2140	ug/L	106	107	80-120	1	35	41026	EPA 6010A	05/27/98
Silver	100	102.2	104.4	ug/L	102	104	80-120	2	35	41026	EPA 6010A	05/26/98
Sodium	20000	21380	21690	ug/L	107	109	80-120	1	35	41026	EPA 6010A	05/26/98
Thallium	2000	2240	2280	ug/L	112	114	80-120	2	35	41026	EPA 6010A	05/27/98
Vanadium	500	509.9	513.3	ug/L	102	103	80-120	1	35	41026	EPA 6010A	05/26/98
Zinc	500	519.2	527	ug/L	104	105	80-120	2	35	41026	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

BATCH QC REPORT
LABORATORY CONTROL SAMPLE

Compound	Spike Amt	Result	Units	% Rec.	QC Batch	Method	Analysis Date
Aluminum	2000	2065	ug/L	103	40949	EPA 6010A	05/26/98
Antimony	500	557	ug/L	111	40949	EPA 6010A	05/26/98
Arsenic	2000	2150	ug/L	108	40949	EPA 6010A	05/26/98
Barium	2000	2120	ug/L	106	40949	EPA 6010A	05/26/98
Beryllium	50	55.5	ug/L	111	40949	EPA 6010A	05/26/98
Cadmium	50	54.8	ug/L	110	40949	EPA 6010A	05/26/98
Calcium	20000	23610	ug/L	118	40949	EPA 6010A	05/26/98
Chromium (total)	200	219	ug/L	110	40949	EPA 6010A	05/26/98
Cobalt	500	559	ug/L	112	40949	EPA 6010A	05/26/98
Copper	250	278	ug/L	111	40949	EPA 6010A	05/26/98
Iron	1000	1158	ug/L	116	40949	EPA 6010A	05/26/98
Lead	500	554	ug/L	111	40949	EPA 6010A	05/26/98
Magnesium	20000	22800	ug/L	114	40949	EPA 6010A	05/26/98
Manganese	500	538	ug/L	108	40949	EPA 6010A	05/26/98
Molybdenum	400	451	ug/L	113	40949	EPA 6010A	05/26/98
Nickel	500	549	ug/L	110	40949	EPA 6010A	05/26/98
Potassium	20000	20410	ug/L	102	40949	EPA 6010A	05/26/98
Selenium	2000	2160	ug/L	108	40949	EPA 6010A	05/26/98
Silver	100	110	ug/L	110	40949	EPA 6010A	05/26/98
Sodium	20000	20520	ug/L	103	40949	EPA 6010A	05/26/98
Thallium	2000	2320	ug/L	116	40949	EPA 6010A	05/26/98
Vanadium	500	551	ug/L	110	40949	EPA 6010A	05/26/98
Zinc	500	547	ug/L	109	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

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
Aluminum	133698-008	<100.000	2000	2143	2129	ug/L	107	106	65-135	1	35	40949	EPA 6010A	05/26/98
Antimony	133698-008	<60.000	500	463	524	ug/L	93	105	65-135	12	35	40949	EPA 6010A	05/26/98
Arsenic	133698-008	<5.000	2000	2130	2070	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Barium	133698-008	14	2000	2090	2070	ug/L	104	103	65-135	1	35	40949	EPA 6010A	05/26/98
Beryllium	133698-008	<2.000	50	54.6	53	ug/L	109	106	65-135	3	35	40949	EPA 6010A	05/26/98
Cadmium	133698-008	<5.000	50	53.8	51.7	ug/L	108	103	65-135	4	35	40949	EPA 6010A	05/26/98
Calcium	133698-008	11000	20000	33230	32300	ug/L	111	106	65-135	3	35	40949	EPA 6010A	05/26/98
Chromium (total)	133698-008	<10.000	200	212	206	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Cobalt	133698-008	<20.000	500	549	531	ug/L	110	106	65-135	3	35	40949	EPA 6010A	05/26/98
Copper	133698-008	<10.000	250	275	273	ug/L	110	109	65-135	1	35	40949	EPA 6010A	05/26/98
Iron	133698-008	110	1000	1150	1119	ug/L	104	101	65-135	3	35	40949	EPA 6010A	05/26/98
Lead	133698-008	<3.000	500	542	528	ug/L	108	106	65-135	3	35	40949	EPA 6010A	05/26/98
Magnesium	133698-008	1100	20000	23630	23070	ug/L	113	110	65-135	2	35	40949	EPA 6010A	05/26/98
Manganese	133698-008	81	500	611	595	ug/L	106	103	65-135	3	35	40949	EPA 6010A	05/26/98
Molybdenum	133698-008	39	400	473	462	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98
Nickel	133698-008	<20.000	500	537	519	ug/L	107	104	65-135	3	35	40949	EPA 6010A	05/26/98
Potassium	133698-008	1200	20000	21640	21610	ug/L	102	102	65-135	0	35	40949	EPA 6010A	05/26/98
Selenium	133698-008	7.6	2000	2120	2070	ug/L	106	103	65-135	2	35	40949	EPA 6010A	05/26/98
Silver	133698-008	<5.000	100	107	107	ug/L	107	107	65-135	0	35	40949	EPA 6010A	05/26/98
Sodium	133698-008	4300	20000	24620	24510	ug/L	101	101	65-135	0	35	40949	EPA 6010A	05/26/98
Thallium	133698-008	<5.000	2000	2280	2230	ug/L	114	112	65-135	2	35	40949	EPA 6010A	05/26/98
Vanadium	133698-008	<10.000	500	541	529	ug/L	108	106	65-135	2	35	40949	EPA 6010A	05/26/98
Zinc	133698-008	<20.000	500	544	531	ug/L	109	106	65-135	2	35	40949	EPA 6010A	05/26/98

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

BATCH QC REPORT
SAMPLE DUPLICATE

Compound	Sample	Sample Result	Duplicate Result	Units	RPD %	RPD Limit	QC Batch	Method	Analysis Date
Aluminum	133611-001	802.7	797.2	ug/L	1	20	41026	EPA 6010A	05/26/98
Antimony	133611-001	<60.000	<60.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Arsenic	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Barium	133611-001	50.8	50.59	ug/L	0	20	41026	EPA 6010A	05/26/98
Beryllium	133611-001	<2.000	<2.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cadmium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Calcium	133611-001	510800	487200	ug/L	5	20	41026	EPA 6010A	05/26/98
Chromium (total)	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Cobalt	133611-001	<20.000	26.59	ug/L	NC	20	41026	EPA 6010A	05/26/98
Copper	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Iron	133611-001	10760	10730	ug/L	0	20	41026	EPA 6010A	05/26/98
Lead	133611-001	<3.000	<3.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Magnesium	133611-001	376600	358900	ug/L	5	20	41026	EPA 6010A	05/26/98
Manganese	133611-001	5630	5611	ug/L	0	20	41026	EPA 6010A	05/26/98
Mercury	133550-002	<0.200	<0.200	ug/L	NC	20	40973	EPA 7470	05/20/98
Mercury	133611-001	<0.200	<0.200	ug/L	NC	20	41035	EPA 7470	05/22/98
Molybdenum	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Nickel	133611-001	<20.000	<20.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Potassium	133611-001	6358	6475	ug/L	2	20	41026	EPA 6010A	05/26/98
Selenium	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/27/98
Silver	133611-001	<5.000	<5.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Sodium	133611-001	41100	40920	ug/L	0	20	41026	EPA 6010A	05/26/98
Thallium	133611-001	14.4	19.6	ug/L	31*	20	41026	EPA 6010A	05/27/98
Vanadium	133611-001	<10.000	<10.000	ug/L	NC	20	41026	EPA 6010A	05/26/98
Zinc	133611-001	39.77	39.77	ug/L	0	20	41026	EPA 6010A	05/26/98

* = Out of Limits
NC = Not Calculable

Curtis & Tompkins, Ltd.

CLIENT: IT Corporation
JOB NUMBER: 133643

DATE REPORTED: 05/28/98

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	133611-001	802.7	2723	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Antimony	500	133611-001	<60.000	426.1	ug/L	85	65-135	41026	EPA 6010A	05/26/98
Arsenic	2000	133611-001	<5.000	2000	ug/L	100	65-135	41026	EPA 6010A	05/27/98
Barium	2000	133611-001	50.8	1928	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Beryllium	50	133611-001	<2.000	47.27	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cadmium	50	133611-001	<5.000	47.87	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Calcium	20000	133611-001	510800	555500	ug/L	224* NM	65-135	41026	EPA 6010A	05/26/98
Chromium (total)	200	133611-001	<10.000	190.2	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Cobalt	500	133611-001	<20.000	473.1	ug/L	95	65-135	41026	EPA 6010A	05/26/98
Copper	250	133611-001	<10.000	240.2	ug/L	96	65-135	41026	EPA 6010A	05/26/98
Iron	1000	133611-001	10760	11340	ug/L	58* NM	65-135	41026	EPA 6010A	05/26/98
Lead	500	133611-001	<3.000	512	ug/L	102	65-135	41026	EPA 6010A	05/27/98
Magnesium	20000	133611-001	376600	425900	ug/L	247* NM	65-135	41026	EPA 6010A	05/26/98
Manganese	500	133611-001	5630	5908	ug/L	56* NM	65-135	41026	EPA 6010A	05/26/98
Mercury	5	133550-002	<0.200	4.573	ug/L	92	65-135	40973	EPA 7470	05/20/98
Mercury	5	133611-001	<0.200	3.851	ug/L	77	65-135	41035	EPA 7470	05/22/98
Molybdenum	400	133611-001	<20.000	370.3	ug/L	93	65-135	41026	EPA 6010A	05/26/98
Nickel	500	133611-001	<20.000	483.6	ug/L	97	65-135	41026	EPA 6010A	05/26/98
Potassium	20000	133611-001	6358	26200	ug/L	99	65-135	41026	EPA 6010A	05/26/98
Selenium	2000	133611-001	<5.000	2110	ug/L	106	65-135	41026	EPA 6010A	05/27/98
Silver	100	133611-001	<5.000	97.73	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Sodium	20000	133611-001	41100	60700	ug/L	98	65-135	41026	EPA 6010A	05/26/98
Thallium	2000	133611-001	14.4	2100	ug/L	104	65-135	41026	EPA 6010A	05/27/98
Vanadium	500	133611-001	<10.000	467.7	ug/L	94	65-135	41026	EPA 6010A	05/26/98
Zinc	500	133611-001	39.77	511.3	ug/L	94	65-135	41026	EPA 6010A	05/26/98

* = 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

May 23, 1998
QUANTERRA INCORPORATED PROJECT NUMBER: **099239**
PO/CONTRACT: **Project #133643**

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 19 May 1998.

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 099239

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Includes Sample(s): 1
- Sample Data Sheet
- Laboratory QC Reports
- Initial Calibration Summary & Analysis Logs
- Continuing Calibration Summaries & Analysis Logs

Quanterra
Environmental Services

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER 099239

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
099239-0001-SA	5767	AQUEOUS	14 MAY 98		19 MAY 98

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 133643

Subcontract Lab:

Quanterra
880 Riverside Parkway
West Sacramento, CA 95605
(916) 373-5600

Please send report to: Carol Wortham

Turnaround Time: Standard

Report Level: III

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
5767	14-MAY-98	Water	8330	133643-001

***Please report using Sample ID instead of C&T Lab #.

Notes:

RELINQUISHED BY:	RECEIVED BY:
5/18/98 Date/Time	Date/Time 051998 8:50
Date/Time	Date/Time

Signature on this form constitutes a firm Purchase Order for the services requested above.

Rec'd in good condition
051998 MC

Quanterra
Environmental Services

Nitroaromatics and Nitramines by HPLC
Method 8330

Client Name: Curtis & Tompkins, Ltd.
Client ID: 5767
LAB ID: 099239-0001-SA
Matrix: AQUEOUS — Sampled: 14 MAY 98 — Received: 19 MAY 98
Authorized: 19 MAY 98 — Prepared: 20 MAY 98 — Analyzed: 21 MAY 98

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	99 %	65 - 135

ND = Not Detected

Reported By: Jon Edmondson — Approved By: Emily Uebelhoer

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)
099239-0001-SA	AQUEOUS	8330-LOW-A	20 MAY 98-11A	20 MAY 98-11A

Quanterra Environmental Services

METHOD BLANK REPORT
HPLC Analysis Area
Project: 099239

Test: 8330-LOW-A Nitroaromatics and Nitramines by HPLC
Method: 8330
Matrix: AQUEOUS
QC Lot: 20 MAY 98-11A QC Run: 20 MAY 98-11A
Analyzed: 21 MAY 98 Time: 00:46

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	97	65 -135

ND = Not Detected

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
HPLC Analysis Area
Project: 099239

Category: 8330-LOW-A Explosives by HPLC
Testcode: 8330-LOW-A Method: 8330
Matrix: AQUEOUS Concentration Units: ug/L
QC Lot: 20 MAY 98-11A Analyzed Date: 21 MAY 98 Time: 02:13

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy (%) DCS1	Accuracy (%) DCS2	Limits	Precision (RPD) DCS	Limit
HMX	0.500	0.568	0.588	114	118	65-135	3.5	35
1,3,5-Trinitrobenzene	0.500	0.560	0.567	112	113	65-135	1.3	35
RDX	0.500	0.510	0.538	102	108	65-135	5.4	35
1,3-Dinitrobenzene	0.500	0.537	0.548	107	110	65-135	2.0	35
Nitrobenzene	0.500	0.540	0.566	108	113	65-135	4.7	35
2,4,6-Trinitrotoluene	0.500	0.592	0.600	118	120	65-135	1.2	35
Tetryl	0.500	0.606	0.629	121	126	65-135	3.7	35
2,4-Dinitrotoluene	0.500	0.550	0.569	110	114	65-135	3.5	35
2,6-Dinitrotoluene	0.500	0.562	0.572	112	114	65-135	1.6	35
2-Am-DNT	0.500	0.541	0.600	108	120	65-135	10	35
4-Am-DNT	0.500	0.555	0.587	111	117	65-135	5.7	35
2-Nitrotoluene	0.500	0.560	0.511	112	102	65-135	9.2	35
4-Nitrotoluene	0.500	0.433	0.545	87	109	65-135	23	35
3-Nitrotoluene	0.500	0.509	0.552	102	110	65-135	8.1	35

Surrogate	Concentration Spiked	Measured DCS1	Measured DCS2	Accuracy(%) DCS1	Accuracy(%) DCS2	Limits
2,4-Dinitrofluorobenzene	2.6	2.6	2.7	100	104	65-135

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