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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 766952

PBOW-Acid Areas
SDG #: PB017

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

Kimberly D Thum for
John D. Reynolds
Project Manager

June 4, 1998

200-1e

G05OH001823_01.19_1001_a

Quanterra
Environmental Services

SAMPLE SUMMARY

PB017 : H8D300162

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGT34	001	6330	04/28/98	08:00
CGT6E	002	6340	04/28/98	08:25
CGT6J	003	6390	04/28/98	09:10
CGT6L	004	6400	04/28/98	09:30
CGT6T	005	6410	04/28/98	09:45
CGT72	006	6411	04/28/98	09:45
CGT76	007	6420	04/28/98	10:00
CGT7E	008	6430	04/28/98	11:05
CGT91	009	6440	04/28/98	11:30
CGT95	010	6450	04/28/98	14:50
CGT96	011	6460	04/28/98	15:15
CGT9D	012	6470	04/28/98	16:45
CGT9H	013	6480	04/28/98	17:15
CGT9J	014	6490	04/28/98	16:10
CGT9W	015	6500	04/28/98	16:25
CGTA0	016	6510	04/28/98	15:35
CGTA1	017	6520	04/28/98	15:55
CGTA5	018	6530	04/28/98	14:00
CGTA7	019	6540	04/28/98	14:35
CGTAE	020	6481	04/28/98	17:30
CGTAP	021	9001	04/28/98	17:30

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.

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SDG SAMPLE SUMMARY REPORT

PB017

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E040000-154	L	04/30/98	DUPLICATE CHECK
B8E040000-168	L	05/01/98	DUPLICATE CHECK
H8D300162-001		04/30/98	6330
H8D300162-002		04/30/98	6340
H8D300162-003		04/30/98	6390
H8D300162-004		04/30/98	6400
H8D300162-005		04/30/98	6410
H8D300162-006		04/30/98	6411
H8D300162-007		04/30/98	6420
H8D300162-008		04/30/98	6430
H8D300162-008	D	04/30/98	6430
H8D300162-008	S	04/30/98	6430
H8D300162-008	X	04/30/98	6430 DUP
H8D300162-009		04/30/98	6440
H8D300162-010		04/30/98	6450
H8D300162-011		04/30/98	6460
H8D300162-012		04/30/98	6470
H8D300162-013		04/30/98	6480
H8D300162-014		04/30/98	6490
H8D300162-015		04/30/98	6500
H8D300162-016		04/30/98	6510
H8D300162-017		04/30/98	6520
H8D300162-018		04/30/98	6530
H8D300162-019		04/30/98	6540
H8D300162-020		04/30/98	6481
H8D300162-021		04/30/98	9001
H8E070000-131	L	04/30/98	DUPLICATE CHECK

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ANALYTICAL METHODS SUMMARY

PB017

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for samples 6390 and 6540 were outside QC limits. However, reanalysis of the sample resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

The concentration of acetone in samples 6411 and 6480 exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

The concentration of acetone in samples 6450, 6460, and 6500 exceeded the calibration level of the instrument. The samples were analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. However, the concentration of acetone did not fall in the upper half of the calibration as required by the method. The results for both analyses are reported in order to provide the lowest possible reporting limits.

The concentration of acetone in samples 6430 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. However, acetone was not found in subsequent analysis. The sample is reported from a 10x analysis and a medium prep. This is expected in the medium preps due to the wide gap in the quantitation limit.

The concentration of acetone in samples 6520 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. However, acetone was not found in subsequent analysis. The sample was analyzed again undiluted and acetone was not found in subsequent analysis. Both undiluted analyses are reported.

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Quanterra Incorporated Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

PROJECT NARRATIVE

Pesticides/PCBs

Surrogate recoveries for sample 6530 were outside QC limits (high). Reanalysis of the extract indicated similar results. The data were flagged as estimated and released without further investigation, as the sample was "ND" for all analytes. Both sets of data are reported.

Metals

The matrix spike/matrix spike duplicate recoveries for sample 6430 were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. 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 6430 was outside control limits due to physical or chemical matrix interferences.

Wet Chemistry

All holding times for nitrate and pH expired during transit to Quanterra Tampa, Florida.

COMMENTS:

Volatiles

Samples 6411, 6420, 6430, 6440, 6450, and 6500 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.

Pesticides/PCBs

Reporting limits for Aroclor 1254 for sample ID 6410, 6411, and 6490 were elevated due to the overlapping pattern of the predominant Aroclor 1260.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6330

GC/MS Volatiles

Lot-Sample #...: H8D300162-001 **Work Order #...:** CGT34102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.3 J**	**6.1**	**ug/kg**
Acetone	**380**	**24**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6330

GC/MS Volatiles

Lot-Sample #...: H8D300162-001 Work Order #...: CGT34102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

GC/MS Volatiles

Lot-Sample #...: H8D300162-002 **Work Order #...:** CGT6E102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**4.4 J**	**6.4**	**ug/kg**
Acetone	**18 J**	**26**	**ug/kg**
Carbon disulfide	ND	6.4	ug/kg
1,1-Dichloroethene	ND	6.4	ug/kg
1,1-Dichloroethane	ND	6.4	ug/kg
1,2-Dichloroethene (total)	ND	6.4	ug/kg
Chloroform	ND	6.4	ug/kg
1,2-Dichloroethane	ND	6.4	ug/kg
2-Butanone	ND	26	ug/kg
1,1,1-Trichloroethane	ND	6.4	ug/kg
Carbon tetrachloride	ND	6.4	ug/kg
Bromodichloromethane	ND	6.4	ug/kg
1,2-Dichloropropane	ND	6.4	ug/kg
cis-1,3-Dichloropropene	ND	6.4	ug/kg
Trichloroethene	ND	6.4	ug/kg
Dibromochloromethane	ND	6.4	ug/kg
1,1,2-Trichloroethane	ND	6.4	ug/kg
Benzene	ND	6.4	ug/kg
trans-1,3-Dichloropropene	ND	6.4	ug/kg
Bromoform	ND	6.4	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
2-Hexanone	ND	26	ug/kg
Tetrachloroethene	ND	6.4	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg
Toluene	ND	6.4	ug/kg
Chlorobenzene	ND	6.4	ug/kg
Ethylbenzene	ND	6.4	ug/kg
Styrene	ND	6.4	ug/kg
Xylenes (total)	ND	6.4	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

GC/MS Volatiles

Lot-Sample #...: H8D300162-002 **Work Order #...:** CGT6E102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Volatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.0 J**	**6.1**	**ug/kg**
Acetone	**77**	**25**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Volatiles

Lot-Sample #...: H8D300162-003 Work Order #...: CGT6J102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Volatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	120	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Volatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

GC/MS Volatiles

Lot-Sample #...: H8D300162-004 **Work Order #...:** CGT6L102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.1	ug/kg
Acetone	**29**	**25**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

GC/MS Volatiles

Lot-Sample #...: H8D300162-004 **Work Order #...:** CGT6L102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

GC/MS Volatiles

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.1	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

GC/MS Volatiles

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC/MS Volatiles

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 10
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	120	ug/kg
Bromomethane	ND	120	ug/kg
Vinyl chloride	ND	120	ug/kg
Chloroethane	ND	120	ug/kg
Methylene chloride	**28 J**	**60**	**ug/kg**
Acetone	**60000 E**	**240**	**ug/kg**
Carbon disulfide	ND	60	ug/kg
1,1-Dichloroethene	ND	60	ug/kg
1,1-Dichloroethane	ND	60	ug/kg
1,2-Dichloroethene (total)	ND	60	ug/kg
Chloroform	ND	60	ug/kg
1,2-Dichloroethane	ND	60	ug/kg
2-Butanone	ND	240	ug/kg
1,1,1-Trichloroethane	ND	60	ug/kg
Carbon tetrachloride	ND	60	ug/kg
Bromodichloromethane	ND	60	ug/kg
1,2-Dichloropropane	ND	60	ug/kg
cis-1,3-Dichloropropene	ND	60	ug/kg
Trichloroethene	ND	60	ug/kg
Dibromochloromethane	ND	60	ug/kg
1,1,2-Trichloroethane	ND	60	ug/kg
Benzene	ND	60	ug/kg
trans-1,3-Dichloropropene	ND	60	ug/kg
Bromoform	ND	60	ug/kg
4-Methyl-2-pentanone	ND	240	ug/kg
2-Hexanone	ND	240	ug/kg
Tetrachloroethene	ND	60	ug/kg
1,1,2,2-Tetrachloroethane	ND	60	ug/kg
Toluene	ND	60	ug/kg
Chlorobenzene	ND	60	ug/kg
Ethylbenzene	ND	60	ug/kg
Styrene	ND	60	ug/kg
Xylenes (total)	ND	60	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	92	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC/MS Volatiles

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC/MS Volatiles

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131165
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**44000 D**	**3000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	91	(77 - 124)
4-Bromofluorobenzene	89	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

GC/MS Volatiles

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 2
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	24	ug/kg
Bromomethane	ND	24	ug/kg
Vinyl chloride	ND	24	ug/kg
Chloroethane	ND	24	ug/kg
Methylene chloride	**6.6 J**	**12**	**ug/kg**
Acetone	**1900 E**	**49**	**ug/kg**
Carbon disulfide	ND	12	ug/kg
1,1-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethane	ND	12	ug/kg
1,2-Dichloroethene (total)	ND	12	ug/kg
Chloroform	ND	12	ug/kg
1,2-Dichloroethane	ND	12	ug/kg
2-Butanone	ND	49	ug/kg
1,1,1-Trichloroethane	ND	12	ug/kg
Carbon tetrachloride	ND	12	ug/kg
Bromodichloromethane	ND	12	ug/kg
1,2-Dichloropropane	ND	12	ug/kg
cis-1,3-Dichloropropene	ND	12	ug/kg
Trichloroethene	ND	12	ug/kg
Dibromochloromethane	ND	12	ug/kg
1,1,2-Trichloroethane	ND	12	ug/kg
Benzene	ND	12	ug/kg
trans-1,3-Dichloropropene	ND	12	ug/kg
Bromoform	ND	12	ug/kg
4-Methyl-2-pentanone	ND	49	ug/kg
2-Hexanone	ND	49	ug/kg
Tetrachloroethene	ND	12	ug/kg
1,1,2,2-Tetrachloroethane	ND	12	ug/kg
Toluene	ND	12	ug/kg
Chlorobenzene	ND	12	ug/kg
Ethylbenzene	ND	12	ug/kg
Styrene	ND	12	ug/kg
Xylenes (total)	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	121	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

GC/MS Volatiles

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

GC/MS Volatiles

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 10
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1600 D**	**240**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	120	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Volatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 10
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	120	ug/kg
Bromomethane	ND	120	ug/kg
Vinyl chloride	ND	120	ug/kg
Chloroethane	ND	120	ug/kg
Methylene chloride	**29 J**	**60**	**ug/kg**
Acetone	**8600 E**	**240**	**ug/kg**
Carbon disulfide	ND	60	ug/kg
1,1-Dichloroethene	ND	60	ug/kg
1,1-Dichloroethane	ND	60	ug/kg
1,2-Dichloroethene (total)	ND	60	ug/kg
Chloroform	ND	60	ug/kg
1,2-Dichloroethane	ND	60	ug/kg
2-Butanone	ND	240	ug/kg
1,1,1-Trichloroethane	ND	60	ug/kg
Carbon tetrachloride	ND	60	ug/kg
Bromodichloromethane	ND	60	ug/kg
1,2-Dichloropropane	ND	60	ug/kg
cis-1,3-Dichloropropene	ND	60	ug/kg
Trichloroethene	ND	60	ug/kg
Dibromochloromethane	ND	60	ug/kg
1,1,2-Trichloroethane	ND	60	ug/kg
Benzene	ND	60	ug/kg
trans-1,3-Dichloropropene	ND	60	ug/kg
Bromoform	ND	60	ug/kg
4-Methyl-2-pentanone	ND	240	ug/kg
2-Hexanone	ND	240	ug/kg
Tetrachloroethene	ND	60	ug/kg
1,1,2,2-Tetrachloroethane	ND	60	ug/kg
Toluene	ND	60	ug/kg
Chlorobenzene	ND	60	ug/kg
Ethylbenzene	ND	60	ug/kg
Styrene	ND	60	ug/kg
Xylenes (total)	ND	60	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Volatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Volatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131165
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1500	ug/kg
Bromomethane	ND	1500	ug/kg
Vinyl chloride	ND	1500	ug/kg
Chloroethane	ND	1500	ug/kg
Methylene chloride	ND	740	ug/kg
Acetone	ND	3000	ug/kg
Carbon disulfide	ND	740	ug/kg
1,1-Dichloroethene	ND	740	ug/kg
1,1-Dichloroethane	ND	740	ug/kg
1,2-Dichloroethene (total)	ND	740	ug/kg
Chloroform	ND	740	ug/kg
1,2-Dichloroethane	ND	740	ug/kg
2-Butanone	ND	3000	ug/kg
1,1,1-Trichloroethane	ND	740	ug/kg
Carbon tetrachloride	ND	740	ug/kg
Bromodichloromethane	ND	740	ug/kg
1,2-Dichloropropane	ND	740	ug/kg
cis-1,3-Dichloropropene	ND	740	ug/kg
Trichloroethene	ND	740	ug/kg
Dibromochloromethane	ND	740	ug/kg
1,1,2-Trichloroethane	ND	740	ug/kg
Benzene	ND	740	ug/kg
trans-1,3-Dichloropropene	ND	740	ug/kg
Bromoform	ND	740	ug/kg
4-Methyl-2-pentanone	ND	3000	ug/kg
2-Hexanone	ND	3000	ug/kg
Tetrachloroethene	ND	740	ug/kg
1,1,2,2-Tetrachloroethane	ND	740	ug/kg
Toluene	ND	740	ug/kg
Chlorobenzene	ND	740	ug/kg
Ethylbenzene	ND	740	ug/kg
Styrene	ND	740	ug/kg
Xylenes (total)	ND	740	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	88	(77 - 124)
4-Bromofluorobenzene	89	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Volatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

GC/MS Volatiles

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 2
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	25	ug/kg
Bromomethane	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
Chloroethane	ND	25	ug/kg
Methylene chloride	**6.1 J**	**12**	**ug/kg**
Acetone	**3100 E**	**50**	**ug/kg**
Carbon disulfide	ND	12	ug/kg
1,1-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethane	ND	12	ug/kg
1,2-Dichloroethene (total)	ND	12	ug/kg
Chloroform	ND	12	ug/kg
1,2-Dichloroethane	ND	12	ug/kg
2-Butanone	ND	50	ug/kg
1,1,1-Trichloroethane	ND	12	ug/kg
Carbon tetrachloride	ND	12	ug/kg
Bromodichloromethane	ND	12	ug/kg
1,2-Dichloropropane	ND	12	ug/kg
cis-1,3-Dichloropropene	ND	12	ug/kg
Trichloroethene	ND	12	ug/kg
Dibromochloromethane	ND	12	ug/kg
1,1,2-Trichloroethane	ND	12	ug/kg
Benzene	ND	12	ug/kg
trans-1,3-Dichloropropene	ND	12	ug/kg
Bromoform	ND	12	ug/kg
4-Methyl-2-pentanone	ND	50	ug/kg
2-Hexanone	ND	50	ug/kg
Tetrachloroethene	ND	12	ug/kg
1,1,2,2-Tetrachloroethane	ND	12	ug/kg
Toluene	ND	12	ug/kg
Chlorobenzene	ND	12	ug/kg
Ethylbenzene	ND	12	ug/kg
Styrene	ND	12	ug/kg
Xylenes (total)	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

GC/MS Volatiles

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

GC/MS Volatiles

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 10
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3500 D**	**250**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC/MS Volatiles

Lot-Sample #...: H8D300162-010 **Work Order #...:** CGT95102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 5
% Moisture.....: 13 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	57	ug/kg
Bromomethane	ND	57	ug/kg
Vinyl chloride	ND	57	ug/kg
Chloroethane	ND	57	ug/kg
Methylene chloride	**15 J**	**29**	**ug/kg**
Acetone	**22000 E**	**110**	**ug/kg**
Carbon disulfide	ND	29	ug/kg
1,1-Dichloroethene	ND	29	ug/kg
1,1-Dichloroethane	ND	29	ug/kg
1,2-Dichloroethene (total)	ND	29	ug/kg
Chloroform	ND	29	ug/kg
1,2-Dichloroethane	ND	29	ug/kg
2-Butanone	ND	110	ug/kg
1,1,1-Trichloroethane	ND	29	ug/kg
Carbon tetrachloride	ND	29	ug/kg
Bromodichloromethane	ND	29	ug/kg
1,2-Dichloropropane	ND	29	ug/kg
cis-1,3-Dichloropropene	ND	29	ug/kg
Trichloroethene	ND	29	ug/kg
Dibromochloromethane	ND	29	ug/kg
1,1,2-Trichloroethane	ND	29	ug/kg
Benzene	ND	29	ug/kg
trans-1,3-Dichloropropene	ND	29	ug/kg
Bromoform	ND	29	ug/kg
4-Methyl-2-pentanone	ND	110	ug/kg
2-Hexanone	ND	110	ug/kg
Tetrachloroethene	ND	29	ug/kg
1,1,2,2-Tetrachloroethane	ND	29	ug/kg
Toluene	ND	29	ug/kg
Chlorobenzene	ND	29	ug/kg
Ethylbenzene	ND	29	ug/kg
Styrene	ND	29	ug/kg
Xylenes (total)	ND	29	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	129	(64 - 135)
Toluene-d8	93	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC/MS Volatiles

Lot-Sample #...: H8D300162-010 **Work Order #...:** CGT95102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC/MS Volatiles

Lot-Sample #...:	H8D300162-010	**Work Order #...:**	CGT95202	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/11/98	**Analysis Date..:**	05/11/98		
Prep Batch #...:	8131165				
Dilution Factor:	1				
% Moisture.....:	13	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4300 D**	**2900**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	91	(77 - 124)
4-Bromofluorobenzene	91	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

GC/MS Volatiles

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

GC/MS Volatiles

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

GC/MS Volatiles

Lot-Sample #...: H8D300162-013 **Work Order #...:** CGT9H102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	**1800 E**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

GC/MS Volatiles

Lot-Sample #...: H8D300162-013 **Work Order #...:** CGT9H102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

GC/MS Volatiles

Lot-Sample #...:	H8D300162-013	**Work Order #...:**	CGT9H202	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	05/07/98		
Prep Batch #...:	8127226				
Dilution Factor:	10				
% Moisture.....:	19	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2100 D**	**250**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	122	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	99	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

GC/MS Volatiles

Lot-Sample #...: H8D300162-014 **Work Order #...:** CGT9J102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

GC/MS Volatiles

Lot-Sample #...: H8D300162-014 **Work Order #...:** CGT9J102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

GC/MS Volatiles

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 10
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	130	ug/kg
Bromomethane	ND	130	ug/kg
Vinyl chloride	ND	130	ug/kg
Chloroethane	ND	130	ug/kg
Methylene chloride	**20 J**	**63**	**ug/kg**
Acetone	**5600 E**	**250**	**ug/kg**
Carbon disulfide	ND	63	ug/kg
1,1-Dichloroethene	ND	63	ug/kg
1,1-Dichloroethane	ND	63	ug/kg
1,2-Dichloroethene (total)	ND	63	ug/kg
Chloroform	ND	63	ug/kg
1,2-Dichloroethane	ND	63	ug/kg
2-Butanone	ND	250	ug/kg
1,1,1-Trichloroethane	ND	63	ug/kg
Carbon tetrachloride	ND	63	ug/kg
Bromodichloromethane	ND	63	ug/kg
1,2-Dichloropropane	ND	63	ug/kg
cis-1,3-Dichloropropene	ND	63	ug/kg
Trichloroethene	ND	63	ug/kg
Dibromochloromethane	ND	63	ug/kg
1,1,2-Trichloroethane	ND	63	ug/kg
Benzene	ND	63	ug/kg
trans-1,3-Dichloropropene	ND	63	ug/kg
Bromoform	ND	63	ug/kg
4-Methyl-2-pentanone	ND	250	ug/kg
2-Hexanone	ND	250	ug/kg
Tetrachloroethene	ND	63	ug/kg
1,1,2,2-Tetrachloroethane	ND	63	ug/kg
Toluene	ND	63	ug/kg
Chlorobenzene	ND	63	ug/kg
Ethylbenzene	ND	63	ug/kg
Styrene	ND	63	ug/kg
Xylenes (total)	ND	63	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

GC/MS Volatiles

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

GC/MS Volatiles

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W302 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131165
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5000 D**	**3200**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	91	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

GC/MS Volatiles

Lot-Sample #...: H8D300162-011 **Work Order #...:** CGT96102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	ND	6.4	ug/kg
Acetone	**710 E**	**26**	**ug/kg**
Carbon disulfide	ND	6.4	ug/kg
1,1-Dichloroethene	ND	6.4	ug/kg
1,1-Dichloroethane	ND	6.4	ug/kg
1,2-Dichloroethene (total)	ND	6.4	ug/kg
Chloroform	ND	6.4	ug/kg
1,2-Dichloroethane	ND	6.4	ug/kg
2-Butanone	ND	26	ug/kg
1,1,1-Trichloroethane	ND	6.4	ug/kg
Carbon tetrachloride	ND	6.4	ug/kg
Bromodichloromethane	ND	6.4	ug/kg
1,2-Dichloropropane	ND	6.4	ug/kg
cis-1,3-Dichloropropene	ND	6.4	ug/kg
Trichloroethene	ND	6.4	ug/kg
Dibromochloromethane	ND	6.4	ug/kg
1,1,2-Trichloroethane	ND	6.4	ug/kg
Benzene	ND	6.4	ug/kg
trans-1,3-Dichloropropene	ND	6.4	ug/kg
Bromoform	ND	6.4	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
2-Hexanone	ND	26	ug/kg
Tetrachloroethene	ND	6.4	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg
Toluene	ND	6.4	ug/kg
Chlorobenzene	ND	6.4	ug/kg
Ethylbenzene	ND	6.4	ug/kg
Styrene	ND	6.4	ug/kg
Xylenes (total)	ND	6.4	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

GC/MS Volatiles

Lot-Sample #...: H8D300162-011 **Work Order #...:** CGT96102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

GC/MS Volatiles

Lot-Sample #...:	H8D300162-011	**Work Order #...:**	CGT96302	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/11/98	**Analysis Date..:**	05/11/98		
Prep Batch #...:	8131104				
Dilution Factor:	10				
% Moisture.....:	22	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**750 D**	**260**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

GC/MS Volatiles

Lot-Sample #...: H8D300162-016 **Work Order #...:** CGTA0102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	5.8	ug/kg
Acetone	**13 J**	**23**	**ug/kg**
Carbon disulfide	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethene (total)	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Benzene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	120	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

GC/MS Volatiles

Lot-Sample #...: H8D300162-016 **Work Order #...:** CGTA0102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Volatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.1**	**ug/kg**
Acetone	**1200 E**	**25**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	127	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Volatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Volatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1302 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.8 J,B**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Volatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1302 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6530

GC/MS Volatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.1	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

GC/MS Volatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

GC/MS Volatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7102 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.4 J,B**	**6.3**	**ug/kg**
Acetone	**320**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	129	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

GC/MS Volatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6540

GC/MS Volatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7202 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.8 J**	**6.3**	**ug/kg**
Acetone	**320**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	124	(64 - 135)
Toluene-d8	112	(77 - 124)
4-Bromofluorobenzene	117	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

GC/MS Volatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6481

GC/MS Volatiles

Lot-Sample #...: H8D300162-020 **Work Order #...:** CGTAE101 **Matrix.....:** WATER
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**0.65 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	**1.1**	**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)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(67 - 128)
1,2-Dichloroethane-d4	90	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6481

GC/MS Volatiles

Lot-Sample #...: H8D300162-020 **Work Order #...:** CGTAE101 **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: 9001

GC/MS Volatiles

Lot-Sample #...: H8D300162-021 **Work Order #...:** CGTAP101 **Matrix.....:** WATER
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**0.66 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	**1.3**	**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	**0.36 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	94	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9001

GC/MS Volatiles

Lot-Sample #...: H8D300162-021 **Work Order #...:** CGTAP101 **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 #...: PB017 **Work Order #...:** CGXG6101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-152

Prep Date.....: 05/06/98
Analysis Date..: 05/06/98 **Prep Batch #...:** 8126152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**4.9 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CGXG6101 **Matrix.....:** SOLID

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CGXG6102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-152
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**97**	**(67 - 137)**	**SW846 8260A**
Benzene	**95**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**93**	**(68 - 126)**	**SW846 8260A**
Toluene	**84**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**92**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(64 - 135)
Toluene-d8	90	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

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 #...: PB017 **Work Order #...:** CH0JP101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-131

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127131
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	**0.59 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	96	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH0JP101 **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 #...: PB017 **Work Order #...:** CH0JP102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-131 CH0JP103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(70 - 137)**			**SW846 8260A**
	98	**(70 - 137)**	**2.2**	**(0-12)**	**SW846 8260A**
Benzene	**99**	**(76 - 123)**			**SW846 8260A**
	97	**(76 - 123)**	**2.5**	**(0-10)**	**SW846 8260A**
Trichloroethene	**107**	**(75 - 129)**			**SW846 8260A**
	104	**(75 - 129)**	**2.3**	**(0-14)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**			**SW846 8260A**
	99	**(77 - 115)**	**0.010**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**101**	**(78 - 116)**			**SW846 8260A**
	98	**(78 - 116)**	**2.6**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
	96	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
	93	(67 - 128)
Toluene-d8	94	(71 - 119)
	95	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)
	90	(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 #...: PB017 **Work Order #...:** CH0K2101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-135

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127135
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH0K2101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CGT7E103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8D300162-008 CGT7E104-MSD
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 10 **% Moisture.....:** 16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**105**	**(64 - 146)**			**SW846 8260A**
	91	**(64 - 146)**	**14**	**(0-18)**	**SW846 8260A**
Trichloroethene	**100**	**(41 - 151)**			**SW846 8260A**
	101	**(41 - 151)**	**1.3**	**(0-28)**	**SW846 8260A**
Benzene	**96**	**(74 - 122)**			**SW846 8260A**
	96	**(74 - 122)**	**0.46**	**(0-15)**	**SW846 8260A**
Toluene	**97**	**(69 - 132)**			**SW846 8260A**
	96	**(69 - 132)**	**0.59**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**96**	**(67 - 121)**			**SW846 8260A**
	97	**(67 - 121)**	**0.58**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(64 - 135)
	115	(64 - 135)
Toluene-d8	101	(77 - 124)
	104	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)
	106	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH0K2102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-135
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127135
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(67 - 137)**	**SW846 8260A**
Benzene	**99**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**109**	**(68 - 126)**	**SW846 8260A**
Toluene	**96**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**99**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

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 #...: PB017 **Work Order #...:** CH10K101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-226

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127226
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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 #...: PB017 **Work Order #...:** CH10K102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-226
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127226
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**91**	**(67 - 137)**	**SW846 8260A**
Trichloroethene	**98**	**(68 - 126)**	**SW846 8260A**
Benzene	**89**	**(78 - 120)**	**SW846 8260A**
Toluene	**89**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**92**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	97	(77 - 124)

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 #...: PB017 **Work Order #...:** CH31X101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-104

Prep Date.....: 05/11/98
Analysis Date..: 05/11/98 **Prep Batch #...:** 8131104
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH31X101 **Matrix.....:** SOLID

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 #...: PB017 **Work Order #...:** CH31X102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-104
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**105**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**103**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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 #...: PB017 **Work Order #...:** CH35G101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-165

Prep Date.....: 05/11/98
Analysis Date..: 05/11/98 **Prep Batch #...:** 8131165
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	1200	ug/kg	SW846 8260A
Bromomethane	ND	1200	ug/kg	SW846 8260A
Vinyl chloride	ND	1200	ug/kg	SW846 8260A
Chloroethane	ND	1200	ug/kg	SW846 8260A
Methylene chloride	ND	620	ug/kg	SW846 8260A
Acetone	ND	2500	ug/kg	SW846 8260A
Carbon disulfide	ND	620	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	620	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	620	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	620	ug/kg	SW846 8260A
Chloroform	ND	620	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	620	ug/kg	SW846 8260A
2-Butanone	ND	2500	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	620	ug/kg	SW846 8260A
Carbon tetrachloride	ND	620	ug/kg	SW846 8260A
Bromodichloromethane	ND	620	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	620	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	620	ug/kg	SW846 8260A
Trichloroethene	ND	620	ug/kg	SW846 8260A
Dibromochloromethane	ND	620	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	620	ug/kg	SW846 8260A
Benzene	ND	620	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	620	ug/kg	SW846 8260A
Bromoform	ND	620	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	2500	ug/kg	SW846 8260A
2-Hexanone	ND	2500	ug/kg	SW846 8260A
Tetrachloroethene	ND	620	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	620	ug/kg	SW846 8260A
Toluene	ND	620	ug/kg	SW846 8260A
Chlorobenzene	ND	620	ug/kg	SW846 8260A
Ethylbenzene	ND	620	ug/kg	SW846 8260A
Styrene	ND	620	ug/kg	SW846 8260A
Xylenes (total)	ND	620	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH35G101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CGT7E133-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8D300162-008 CGT7E134-MSD
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131165
Dilution Factor: 1 **% Moisture.....:** 16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**78**	**(64 - 146)**			**SW846 8260A**
	78	**(64 - 146)**	**0.62**	**(0-18)**	**SW846 8260A**
Trichloroethene	**91**	**(41 - 151)**			**SW846 8260A**
	91	**(41 - 151)**	**0.37**	**(0-28)**	**SW846 8260A**
Benzene	**91**	**(74 - 122)**			**SW846 8260A**
	92	**(74 - 122)**	**0.93**	**(0-15)**	**SW846 8260A**
Toluene	**90**	**(69 - 132)**			**SW846 8260A**
	91	**(69 - 132)**	**2.1**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**90**	**(67 - 121)**			**SW846 8260A**
	91	**(67 - 121)**	**1.0**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
	96	(64 - 135)
Toluene-d8	90	(77 - 124)
	94	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)
	95	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB017 **Work Order #...:** CH35G102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-165
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131165
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**85**	**(67 - 137)**	**SW846 8260A**
Benzene	**95**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**96**	**(68 - 126)**	**SW846 8260A**
Toluene	**96**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**93**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	96	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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: 6330

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-001 **Work Order #...:** CGT34103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6330

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-001 **Work Order #...:** CGT34103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**71 J**	**400**	**ug/kg**
Pyrene	**58 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**45 J**	**400**	**ug/kg**
Chrysene	**52 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	**53 J**	**400**	**ug/kg**
Benzo(a)pyrene	**45 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	72	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-002 **Work Order #...:** CGT6E103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2100	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2100	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2100	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2100	ug/kg
4-Nitrophenol	ND	2100	ug/kg
Dibenzofuran	ND	420	ug/kg

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-002 **Work Order #...:** CGT6E103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2100	ug/kg
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2100	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2100	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	83	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	73	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-004 **Work Order #...:** CGT6L103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-004 **Work Order #...:** CGT6L103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	72	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	**87 J**	**400**	**ug/kg**
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**68 J**	**400**	**ug/kg**
Anthracene	**100 J**	**400**	**ug/kg**
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**340 J**	**400**	**ug/kg**
Pyrene	**260 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**230 J**	**400**	**ug/kg**
Chrysene	**240 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	**50 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**190 J**	**400**	**ug/kg**
Benzo(k)fluoranthene	**270 J**	**400**	**ug/kg**
Benzo(a)pyrene	**260 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**160 J**	**400**	**ug/kg**
Dibenz(a,h)anthracene	**77 J**	**400**	**ug/kg**
Benzo(ghi)perylene	**160 J**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	**100 J**	**390**	**ug/kg**
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**100 J**	**390**	**ug/kg**
Anthracene	**140 J**	**390**	**ug/kg**
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**440**	**390**	**ug/kg**
Pyrene	**310 J**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**280 J**	**390**	**ug/kg**
Chrysene	**280 J**	**390**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	**230 J**	**390**	**ug/kg**
Benzo(k)fluoranthene	**310 J**	**390**	**ug/kg**
Benzo(a)pyrene	**290 J**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**180 J**	**390**	**ug/kg**
Dibenz(a,h)anthracene	**87 J**	**390**	**ug/kg**
Benzo(ghi)perylene	**170 J**	**390**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	71	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	76	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	76	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E105 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	**55 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	73	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(25 - 121)
Phenol-d5	83	(24 - 113)
Nitrobenzene-d5	78	(23 - 120)
2-Fluorobiphenyl	82	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-010 **Work Order #...:** CGT95103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-010 **Work Order #...:** CGT95103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	ND	380	ug/kg
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	ND	380	ug/kg
Pyrene	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	ND	380	ug/kg
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	61	(19 - 122)
Terphenyl-d14	69	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-011 **Work Order #...:** CGT96103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2100	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2100	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2100	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2100	ug/kg
4-Nitrophenol	ND	2100	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-011 **Work Order #...:** CGT96103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2100	ug/kg
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2100	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2100	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	78	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-013 **Work Order #...:** CGT9H103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-013 **Work Order #...:** CGT9H103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	76	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-014 **Work Order #...:** CGT9J103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-014 **Work Order #...:** CGT9J103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	46	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	26	(19 - 122)
Terphenyl-d14	66	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	31	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-016 **Work Order #...:** CGTA0103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	**68 J**	**380**	**ug/kg**
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-016 **Work Order #...:** CGTA0103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**73 J**	**380**	**ug/kg**
Anthracene	**69 J**	**380**	**ug/kg**
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	**260 J**	**380**	**ug/kg**
Pyrene	**190 J**	**380**	**ug/kg**
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**180 J**	**380**	**ug/kg**
Chrysene	**180 J**	**380**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	**140 J**	**380**	**ug/kg**
Benzo(k)fluoranthene	**190 J**	**380**	**ug/kg**
Benzo(a)pyrene	**180 J**	**380**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**110 J**	**380**	**ug/kg**
Dibenz(a,h)anthracene	**53 J**	**380**	**ug/kg**
Benzo(ghi)perylene	**110 J**	**380**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	67	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	69	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	67	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	71	(19 - 122)
Terphenyl-d14	71	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**42 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	75	(19 - 122)
Terphenyl-d14	73	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7103 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(25 - 121)
Phenol-d5	58	(24 - 113)
Nitrobenzene-d5	54	(23 - 120)
2-Fluorobiphenyl	60	(30 - 115)
2,4,6-Tribromophenol	62	(19 - 122)
Terphenyl-d14	58	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6481

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-020 **Work Order #...:** CGTAE102 **Matrix.....:** WATER
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8121124
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: 6481

GC/MS Semivolatiles

Lot-Sample #...: H8D300162-020 **Work Order #...:** CGTAE102 **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	74	(27 - 106)
Phenol-d5	77	(27 - 111)
Nitrobenzene-d5	80	(37 - 115)
2-Fluorobiphenyl	78	(43 - 116)
2,4,6-Tribromophenol	86	(27 - 127)
Terphenyl-d14	79	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB017 **Work Order #...:** CGTGC101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E010000-119

Prep Date.....: 05/01/98
Analysis Date..: 05/04/98 **Prep Batch #...:** 8121119
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB017 **Work Order #...:** CGTGC101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	73	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	68	(19 - 122)
Terphenyl-d14	71	(20 - 138)

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 #...: PB017 **Work Order #...:** CGT7E106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8D300162-008 CGT7E107-MSD
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8121119
Dilution Factor: 1 **% Moisture.....:** 16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**72**	**(23 - 115)**			**SW846 8270B**
	74	**(23 - 115)**	**2.2**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**74**	**(20 - 118)**			**SW846 8270B**
	74	**(20 - 118)**	**0.0**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**67**	**(16 - 116)**			**SW846 8270B**
	65	**(16 - 116)**	**2.7**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**65**	**(12 - 126)**			**SW846 8270B**
	72	**(12 - 126)**	**11**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**77**	**(19 - 124)**			**SW846 8270B**
	76	**(19 - 124)**	**0.78**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**66**	**(28 - 119)**			**SW846 8270B**
	69	**(28 - 119)**	**3.6**	**(0-35)**	**SW846 8270B**
Acenaphthene	**71**	**(23 - 125)**			**SW846 8270B**
	70	**(23 - 125)**	**0.85**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**57**	**(15 - 130)**			**SW846 8270B**
	60	**(15 - 130)**	**5.5**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**59**	**(26 - 122)**			**SW846 8270B**
	59	**(26 - 122)**	**0.10**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**70**	**(10 - 134)**			**SW846 8270B**
	74	**(10 - 134)**	**5.0**	**(0-53)**	**SW846 8270B**
Pyrene	**71**	**(28 - 128)**			**SW846 8270B**
	74	**(28 - 128)**	**3.3**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
	71	(25 - 121)
Phenol-d5	71	(24 - 113)
	71	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
	69	(23 - 120)
2-Fluorobiphenyl	76	(30 - 115)
	75	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
	82	(19 - 122)
Terphenyl-d14	71	(20 - 138)
	73	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB017 **Work Order #...:** CGTGC102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E010000-119
Prep Date.....: 05/01/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8121119
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**66**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**66**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**63**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**60**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**73**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**63**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**68**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**57**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**71**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**68**	**(17 - 117)**	**SW846 8270B**
Pyrene	**73**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	76	(30 - 115)
2,4,6-Tribromophenol	70	(19 - 122)
Terphenyl-d14	75	(20 - 138)

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 #...: PB017 **Work Order #...:** CGTGH101 **Matrix.....:** WATER
MB Lot-Sample #: H8E010000-124

Prep Date.....: 05/01/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8121124
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 #...: PB017 **Work Order #...:** CGTGH101 **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	72	(27 - 106)
Phenol-d5	79	(27 - 111)
Nitrobenzene-d5	78	(37 - 115)
2-Fluorobiphenyl	75	(43 - 116)
2,4,6-Tribromophenol	96	(27 - 127)
Terphenyl-d14	94	(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 #...: PB017 **Work Order #...:** CGTGH102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E010000-124
Prep Date.....: 05/01/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8121124
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**80**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**79**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**61**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**79**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**67**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**71**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**73**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**75**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**89**	**(20 - 123)**	**SW846 8270B**
Pyrene	**87**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(27 - 106)
Phenol-d5	81	(27 - 111)
Nitrobenzene-d5	77	(37 - 115)
2-Fluorobiphenyl	79	(43 - 116)
2,4,6-Tribromophenol	91	(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: 6330

GC Semivolatiles

Lot-Sample #...: H8D300162-001 **Work Order #...:** CGT34104 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	**260**	**40**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(40 - 134)
Decachlorobiphenyl	158	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

GC Semivolatiles

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J104 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	149 *	(40 - 134)
Decachlorobiphenyl	97	(38 - 174)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

GC Semivolatiles

Lot-Sample #...:	H8D300162-005	**Work Order #...:**	CGT6T104	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/04/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8124112				
Dilution Factor:	10				
% Moisture.....:	18	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	400	ug/kg
Aroclor 1221	ND	400	ug/kg
Aroclor 1232	ND	400	ug/kg
Aroclor 1242	ND	400	ug/kg
Aroclor 1248	ND	400	ug/kg
Aroclor 1254	ND Q	1400	ug/kg
Aroclor 1260	**3600**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

GC Semivolatiles

Lot-Sample #...:	H8D300162-006	**Work Order #...:**	CGT72104	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/04/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8124112				
Dilution Factor:	50				
% Moisture.....:	16	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	2000	ug/kg
Aroclor 1221	ND	2000	ug/kg
Aroclor 1232	ND	2000	ug/kg
Aroclor 1242	ND	2000	ug/kg
Aroclor 1248	ND	2000	ug/kg
Aroclor 1254	ND Q	8700	ug/kg
Aroclor 1260	**20000**	**2000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

GC Semivolatiles

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E108 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(40 - 134)
Decachlorobiphenyl	98	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

GC Semivolatiles

Lot-Sample #...:	H8D300162-010	**Work Order #...:**	CGT95104	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/04/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8124112				
Dilution Factor:	1				
% Moisture.....:	13	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	110	(40 - 134)
Decachlorobiphenyl	119	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

GC Semivolatiles

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D104 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

GC Semivolatiles

Lot-Sample #...:	H8D300162-014	**Work Order #...:**	CGT9J104	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/04/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8124112				
Dilution Factor:	5				
% Moisture.....:	19	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	200	ug/kg
Aroclor 1221	ND	200	ug/kg
Aroclor 1232	ND	200	ug/kg
Aroclor 1242	ND	200	ug/kg
Aroclor 1248	ND	200	ug/kg
Aroclor 1254	ND Q	1500	ug/kg
Aroclor 1260	**1500**	**200**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

GC Semivolatiles

Lot-Sample #...:	H8D300162-016	**Work Order #...:**	CGTA0104	**Matrix.....:**	SOLID
Date Sampled...:	04/28/98	**Date Received..:**	04/30/98		
Prep Date.....:	05/04/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8124112				
Dilution Factor:	1				
% Moisture.....:	14	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	**150**	**38**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(40 - 134)
Decachlorobiphenyl	160	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

GC Semivolatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5104 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	164 *	(40 - 134)
Decachlorobiphenyl	189 *	(38 - 174)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

GC Semivolatiles

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5204 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	156 *	(40 - 134)
Decachlorobiphenyl	182 *	(38 - 174)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H8D300162 **Work Order #...:** CGW14101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E040000-112

Prep Date.....: 05/04/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8124112
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8D300162 **Work Order #...:** CGT7E109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8D300162-008 CGT7E10A-MSD
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1 **% Moisture.....:** 16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**86**	**(52 - 144)**			**SW846 8081**
	83	**(52 - 144)**	**4.4**	**(0-25)**	**SW846 8081**
Aroclor 1260	**87**	**(45 - 143)**			**SW846 8081**
	88	**(45 - 143)**	**0.76**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(40 - 134)
	76	(40 - 134)
Decachlorobiphenyl	96	(38 - 174)
	96	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8D300162 **Work Order #...:** CGW14102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E040000-112
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**89**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(40 - 134)
Decachlorobiphenyl	107	(38 - 174)

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: 6410

HPLC

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T105 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	124	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

HPLC

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72105 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	119	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

HPLC

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76105 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

HPLC

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E10C **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

HPLC

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91105 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(72 - 129)

METHOD BLANK REPORT

HPLC

Client Lot #...: PB017 **Work Order #...:** CH3C6101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-236

Prep Date.....: 05/11/98
Analysis Date..: 05/19/98 **Prep Batch #...:** 8131236
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
2,6-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
Nitrobenzene	ND	0.25	mg/kg	SW846 8330
1,3,5-Trinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4,6-Trinitrotoluene	ND	0.25	mg/kg	SW846 8330
HMX	ND	0.50	mg/kg	SW846 8330
RDX	ND	0.50	mg/kg	SW846 8330
Tetryl	ND	0.65	mg/kg	SW846 8330
2-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
3-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.25	mg/kg	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: PB017 Work Order #...: CGT7E10D-MS Matrix.....: SOLID
MS Lot-Sample #: H8D300162-008 CGT7E10E-MSD
Date Sampled...: 04/28/98 Date Received..: 04/30/98
Prep Date.....: 05/11/98 Analysis Date..: 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1 % Moisture.....: 16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluen	ND	3.0	2.9	mg/kg	97		SW846 8330
	ND	3.0	2.8	mg/kg	93	4.3	SW846 8330
4-Nitrotoluene	ND	3.0	3.1	mg/kg	103		SW846 8330
	ND	3.0	2.9	mg/kg	97	5.7	SW846 8330
HMX	ND	3.0	2.7	mg/kg	89		SW846 8330
	ND	3.0	2.5	mg/kg	84	5.8	SW846 8330
RDX	ND	3.0	3.0	mg/kg	101		SW846 8330
	ND	3.0	2.9	mg/kg	98	2.9	SW846 8330
1,3,5-Trinitrobenzene	ND	3.0	3.1	mg/kg	100		SW846 8330
	ND	3.0	3.0	mg/kg	97	2.0	SW846 8330
1,3-Dinitrobenzene	ND	3.0	3.1	mg/kg	103		SW846 8330
	ND	3.0	3.0	mg/kg	99	3.4	SW846 8330
Tetryl	ND	3.0	2.4	mg/kg	80		SW846 8330
	ND	3.0	2.4	mg/kg	81	1.1	SW846 8330
Nitrobenzene	ND	3.0	3.0	mg/kg	101		SW846 8330
	ND	3.0	2.9	mg/kg	98	2.5	SW846 8330
2,4,6-Trinitrotoluene	ND	3.0	2.8	mg/kg	94		SW846 8330
	ND	3.0	2.7	mg/kg	89	5.4	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	3.0	3.0	mg/kg	99		SW846 8330
	ND	3.0	2.6	mg/kg	87	13	SW846 8330
2,6-Dinitrotoluene	ND	3.0	3.1	mg/kg	103		SW846 8330
	ND	3.0	3.0	mg/kg	99	4.3	SW846 8330
2,4-Dinitrotoluene	ND	3.0	3.0	mg/kg	101		SW846 8330
	ND	3.0	2.9	mg/kg	96	5.0	SW846 8330
2-Nitrotoluene	ND	3.0	3.0	mg/kg	102		SW846 8330
	ND	3.0	2.9	mg/kg	98	3.7	SW846 8330
3-Nitrotoluene	ND	3.0	3.0	mg/kg	101		SW846 8330
	ND	3.0	2.9	mg/kg	97	3.8	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)
	96	(72 - 129)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB017 **Work Order #...:** CGT7E10D-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8D300162-008 CGT7E10E-MSD
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1 **% Moisture.....:** 16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	97	(76 - 120)			SW846 8330
	93	(76 - 120)	4.3	(0-15)	SW846 8330
4-Nitrotoluene	103	(76 - 122)			SW846 8330
	97	(76 - 122)	5.7	(0-25)	SW846 8330
HMX	89	(48 - 125)			SW846 8330
	84	(48 - 125)	5.8	(0-15)	SW846 8330
RDX	101	(61 - 127)			SW846 8330
	98	(61 - 127)	2.9	(0-15)	SW846 8330
1,3,5-Trinitrobenzene	100	(74 - 126)			SW846 8330
	97	(74 - 126)	2.0	(0-15)	SW846 8330
1,3-Dinitrobenzene	103	(71 - 126)			SW846 8330
	99	(71 - 126)	3.4	(0-15)	SW846 8330
Tetryl	80	(32 - 143)			SW846 8330
	81	(32 - 143)	1.1	(0-26)	SW846 8330
Nitrobenzene	101	(76 - 122)			SW846 8330
	98	(76 - 122)	2.5	(0-15)	SW846 8330
2,4,6-Trinitrotoluene	94	(69 - 132)			SW846 8330
	89	(69 - 132)	5.4	(0-15)	SW846 8330
4-Amino-2,6-dinitrotoluen	99	(67 - 127)			SW846 8330
	87	(67 - 127)	13	(0-15)	SW846 8330
2,6-Dinitrotoluene	103	(75 - 122)			SW846 8330
	99	(75 - 122)	4.3	(0-15)	SW846 8330
2,4-Dinitrotoluene	101	(75 - 124)			SW846 8330
	96	(75 - 124)	5.0	(0-15)	SW846 8330
2-Nitrotoluene	102	(77 - 125)			SW846 8330
	98	(77 - 125)	3.7	(0-15)	SW846 8330
3-Nitrotoluene	101	(76 - 121)			SW846 8330
	97	(76 - 121)	3.8	(0-15)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)
	96	(72 - 129)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: PB017 **Work Order #...:** CH3C6102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-236
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
HMX	3.0	3.1	mg/kg	104	SW846 8330
RDX	3.0	3.3	mg/kg	110	SW846 8330
1,3,5-Trinitrobenzene	3.0	3.6	mg/kg	120	SW846 8330
1,3-Dinitrobenzene	3.0	3.3	mg/kg	111	SW846 8330
Tetryl	3.0	3.1	mg/kg	102	SW846 8330
Nitrobenzene	3.0	3.2	mg/kg	108	SW846 8330
2,4,6-Trinitrotoluene	3.0	3.3	mg/kg	109	SW846 8330
4-Amino-2,6-dinitrotoluen	3.0	3.6	mg/kg	119	SW846 8330
2,6-Dinitrotoluene	3.0	3.5	mg/kg	116	SW846 8330
2,4-Dinitrotoluene	3.0	3.4	mg/kg	114	SW846 8330
2-Nitrotoluene	3.0	3.4	mg/kg	112	SW846 8330
3-Nitrotoluene	3.0	3.4	mg/kg	113	SW846 8330
2-Amino-4,6-dinitrotoluen	3.0	3.4	mg/kg	113	SW846 8330
4-Nitrotoluene	3.0	3.4	mg/kg	112	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	115	(72 - 129)

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 #...: PB017 **Work Order #...:** CH3C6102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-236
Prep Date.....: 05/11/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8131236
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**104**	**(65 - 117)**	**SW846 8330**
RDX	**110**	**(75 - 124)**	**SW846 8330**
1,3,5-Trinitrobenzene	**120**	**(78 - 124)**	**SW846 8330**
1,3-Dinitrobenzene	**111**	**(75 - 123)**	**SW846 8330**
Tetryl	**102**	**(40 - 125)**	**SW846 8330**
Nitrobenzene	**108**	**(76 - 122)**	**SW846 8330**
2,4,6-Trinitrotoluene	**109**	**(71 - 132)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**119**	**(75 - 127)**	**SW846 8330**
2,6-Dinitrotoluene	**116**	**(75 - 122)**	**SW846 8330**
2,4-Dinitrotoluene	**114**	**(75 - 124)**	**SW846 8330**
2-Nitrotoluene	**112**	**(77 - 125)**	**SW846 8330**
3-Nitrotoluene	**113**	**(78 - 121)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**113**	**(76 - 120)**	**SW846 8330**
4-Nitrotoluene	**112**	**(76 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	115	(72 - 129)

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: 6330

TOTAL Metals

Lot-Sample #...: H8D300162-001 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGT3410V
		Dilution Factor: 1		Analysis Time..: 15:01		
Prep Batch #...: 8132202						
Aluminum	5390	24.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT34105
		Dilution Factor: 1		Analysis Time..: 21:26		
Arsenic	4.9	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT3410Q
		Dilution Factor: 1		Analysis Time..: 18:20		
Lead	71.2	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT3410R
		Dilution Factor: 1		Analysis Time..: 18:20		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT34106
		Dilution Factor: 1		Analysis Time..: 21:26		
Barium	28.3	24.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT34107
		Dilution Factor: 1		Analysis Time..: 21:26		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGT3410T
		Dilution Factor: 1		Analysis Time..: 18:20		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT34108
		Dilution Factor: 1		Analysis Time..: 21:26		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT3410U
		Dilution Factor: 1		Analysis Time..: 18:20		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT34109
		Dilution Factor: 1		Analysis Time..: 21:26		
Calcium	1800	609	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410A
		Dilution Factor: 1		Analysis Time..: 21:26		
Chromium	11.0	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410C
		Dilution Factor: 1		Analysis Time..: 21:26		
Cobalt	ND	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410D
		Dilution Factor: 1		Analysis Time..: 21:26		
Copper	9.2	3.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410E
		Dilution Factor: 1		Analysis Time..: 21:26		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6330

TOTAL Metals

Lot-Sample #...: H8D300162-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	15200	12.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410F
		Dilution Factor: 1		Analysis Time..: 21:26		
Magnesium	912	609	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410G
		Dilution Factor: 1		Analysis Time..: 21:26		
Manganese	109	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410H
		Dilution Factor: 1		Analysis Time..: 21:26		
Nickel	9.4	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410J
		Dilution Factor: 1		Analysis Time..: 21:26		
Potassium	ND	609	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410K
		Dilution Factor: 1		Analysis Time..: 21:26		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410L
		Dilution Factor: 1		Analysis Time..: 21:26		
Sodium	ND	609	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410M
		Dilution Factor: 1		Analysis Time..: 21:26		
Vanadium	23.3	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410N
		Dilution Factor: 1		Analysis Time..: 21:26		
Zinc	38.3	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT3410P
		Dilution Factor: 1		Analysis Time..: 21:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

TOTAL Metals

Lot-Sample #...: H8D300162-002 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGT6E10V
		Dilution Factor: 1		Analysis Time..: 15:04		
Prep Batch #...: 8132202						
Aluminum	12800	25.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E105
		Dilution Factor: 1		Analysis Time..: 21:31		
Arsenic	8.0	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGT6E10Q
		Dilution Factor: 1		Analysis Time..: 18:26		
Lead	9.7	0.38	mg/kg	SW846 6010A	05/13-05/25/98	CGT6E10R
		Dilution Factor: 1		Analysis Time..: 18:26		
Antimony	ND	7.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E106
		Dilution Factor: 1		Analysis Time..: 21:31		
Barium	63.7	25.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E107
		Dilution Factor: 1		Analysis Time..: 21:31		
Selenium	ND	0.64	mg/kg	SW846 6010A	05/13-05/25/98	CGT6E10T
		Dilution Factor: 1		Analysis Time..: 18:26		
Beryllium	0.69	0.64	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E108
		Dilution Factor: 1		Analysis Time..: 21:31		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGT6E10U
		Dilution Factor: 1		Analysis Time..: 18:26		
Cadmium	ND	0.64	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E109
		Dilution Factor: 1		Analysis Time..: 21:31		
Calcium	7150	641	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10A
		Dilution Factor: 1		Analysis Time..: 21:31		
Chromium	20.3	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10C
		Dilution Factor: 1		Analysis Time..: 21:31		
Cobalt	12.9	6.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10D
		Dilution Factor: 1		Analysis Time..: 21:31		
Copper	22.8	3.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10E
		Dilution Factor: 1		Analysis Time..: 21:31		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

TOTAL Metals

Lot-Sample #...: H8D300162-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	24300	12.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10F
		Dilution Factor: 1		Analysis Time..: 21:31		
Magnesium	7010	641	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10G
		Dilution Factor: 1		Analysis Time..: 21:31		
Manganese	322	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10H
		Dilution Factor: 1		Analysis Time..: 21:31		
Nickel	28.8	5.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10J
		Dilution Factor: 1		Analysis Time..: 21:31		
Potassium	1690	641	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10K
		Dilution Factor: 1		Analysis Time..: 21:31		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10L
		Dilution Factor: 1		Analysis Time..: 21:31		
Sodium	ND	641	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10M
		Dilution Factor: 1		Analysis Time..: 21:31		
Vanadium	25.5	6.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10N
		Dilution Factor: 1		Analysis Time..: 21:31		
Zinc	75.9	2.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT6E10P
		Dilution Factor: 1		Analysis Time..: 21:31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

TOTAL Metals

Lot-Sample #...: H8D300162-003 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	0.040	0.040	mg/kg	SW846 7471A	05/12/98	CGT6J10V
		Dilution Factor: 1		Analysis Time..: 15:06		
Prep Batch #...: 8132202						
Aluminum	10700	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J105
		Dilution Factor: 1		Analysis Time..: 21:36		
Arsenic	7.3	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6J10Q
		Dilution Factor: 1		Analysis Time..: 18:31		
Lead	11.8	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT6J10R
		Dilution Factor: 1		Analysis Time..: 18:31		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J106
		Dilution Factor: 1		Analysis Time..: 21:36		
Barium	72.4	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J107
		Dilution Factor: 1		Analysis Time..: 21:36		
Selenium	0.80	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGT6J10T
		Dilution Factor: 1		Analysis Time..: 18:31		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J108
		Dilution Factor: 1		Analysis Time..: 21:36		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6J10U
		Dilution Factor: 1		Analysis Time..: 18:31		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J109
		Dilution Factor: 1		Analysis Time..: 21:36		
Calcium	3710	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10A
		Dilution Factor: 1		Analysis Time..: 21:36		
Chromium	15.7	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10C
		Dilution Factor: 1		Analysis Time..: 21:36		
Cobalt	11.8	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10D
		Dilution Factor: 1		Analysis Time..: 21:36		
Copper	26.0	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10E
		Dilution Factor: 1		Analysis Time..: 21:36		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

TOTAL Metals

Lot-Sample #...: H8D300162-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21100	12.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10F
		Dilution Factor: 1		Analysis Time..: 21:36		
Magnesium	2450	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10G
		Dilution Factor: 1		Analysis Time..: 21:36		
Manganese	197	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10H
		Dilution Factor: 1		Analysis Time..: 21:36		
Nickel	20.6	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10J
		Dilution Factor: 1		Analysis Time..: 21:36		
Potassium	1330	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10K
		Dilution Factor: 1		Analysis Time..: 21:36		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10L
		Dilution Factor: 1		Analysis Time..: 21:36		
Sodium	ND	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10M
		Dilution Factor: 1		Analysis Time..: 21:36		
Vanadium	24.8	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10N
		Dilution Factor: 1		Analysis Time..: 21:36		
Zinc	71.7	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6J10P
		Dilution Factor: 1		Analysis Time..: 21:36		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

TOTAL Metals

Lot-Sample #...: H8D300162-004 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	0.047	0.040	mg/kg	SW846 7471A	05/12/98	CGT6L10V
		Dilution Factor: 1		Analysis Time..: 15:08		
Prep Batch #...: 8132202						
Aluminum	13100	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L105
		Dilution Factor: 1		Analysis Time..: 21:41		
Arsenic	8.9	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6L10Q
		Dilution Factor: 1		Analysis Time..: 18:37		
Lead	10.2	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT6L10R
		Dilution Factor: 1		Analysis Time..: 18:37		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L106
		Dilution Factor: 1		Analysis Time..: 21:41		
Barium	68.1	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L107
		Dilution Factor: 1		Analysis Time..: 21:41		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGT6L10T
		Dilution Factor: 1		Analysis Time..: 18:37		
Beryllium	0.64	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L108
		Dilution Factor: 1		Analysis Time..: 21:41		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6L10U
		Dilution Factor: 1		Analysis Time..: 18:37		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L109
		Dilution Factor: 1		Analysis Time..: 21:41		
Calcium	3910	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10A
		Dilution Factor: 1		Analysis Time..: 21:41		
Chromium	19.9	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10C
		Dilution Factor: 1		Analysis Time..: 21:41		
Cobalt	10.3	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10D
		Dilution Factor: 1		Analysis Time..: 21:41		
Copper	14.8	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10E
		Dilution Factor: 1		Analysis Time..: 21:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

TOTAL Metals

Lot-Sample #...: H8D300162-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	25700	12.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10F
		Dilution Factor: 1		Analysis Time..: 21:41		
Magnesium	4420	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10G
		Dilution Factor: 1		Analysis Time..: 21:41		
Manganese	138	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10H
		Dilution Factor: 1		Analysis Time..: 21:41		
Nickel	22.9	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10J
		Dilution Factor: 1		Analysis Time..: 21:41		
Potassium	2230	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10K
		Dilution Factor: 1		Analysis Time..: 21:41		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10L
		Dilution Factor: 1		Analysis Time..: 21:41		
Sodium	ND	613	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10M
		Dilution Factor: 1		Analysis Time..: 21:41		
Vanadium	24.0	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10N
		Dilution Factor: 1		Analysis Time..: 21:41		
Zinc	84.3	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT6L10P
		Dilution Factor: 1		Analysis Time..: 21:41		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

TOTAL Metals

Lot-Sample #...: H8D300162-005 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGT6T10W
		Dilution Factor: 1		Analysis Time..: 15:16		
Prep Batch #...: 8132202						
Aluminum	9320	24.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T106
		Dilution Factor: 1		Analysis Time..: 21:46		
Arsenic	6.5	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6T10R
		Dilution Factor: 1		Analysis Time..: 18:43		
Lead	40.1	0.36	mg/kg	SW846 6010A	05/13-05/25/98	CGT6T10T
		Dilution Factor: 1		Analysis Time..: 18:43		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T107
		Dilution Factor: 1		Analysis Time..: 21:46		
Barium	54.6	24.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T108
		Dilution Factor: 1		Analysis Time..: 21:46		
Selenium	0.78	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGT6T10U
		Dilution Factor: 1		Analysis Time..: 18:43		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T109
		Dilution Factor: 1		Analysis Time..: 21:46		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT6T10V
		Dilution Factor: 1		Analysis Time..: 18:43		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10A
		Dilution Factor: 1		Analysis Time..: 21:46		
Calcium	9350	607	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10C
		Dilution Factor: 1		Analysis Time..: 21:46		
Chromium	14.9	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10D
		Dilution Factor: 1		Analysis Time..: 21:46		
Cobalt	9.7	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10E
		Dilution Factor: 1		Analysis Time..: 21:46		
Copper	14.9	3.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10F
		Dilution Factor: 1		Analysis Time..: 21:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

TOTAL Metals

Lot-Sample #...: H8D300162-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18300	12.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10G
		Dilution Factor: 1		Analysis Time..: 21:46		
Magnesium	3270	607	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10H
		Dilution Factor: 1		Analysis Time..: 21:46		
Manganese	320	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10J
		Dilution Factor: 1		Analysis Time..: 21:46		
Nickel	16.5	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10K
		Dilution Factor: 1		Analysis Time..: 21:46		
Potassium	987	607	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10L
		Dilution Factor: 1		Analysis Time..: 21:46		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10M
		Dilution Factor: 1		Analysis Time..: 21:46		
Sodium	ND	607	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10N
		Dilution Factor: 1		Analysis Time..: 21:46		
Vanadium	23.5	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10P
		Dilution Factor: 1		Analysis Time..: 21:46		
Zinc	112	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT6T10Q
		Dilution Factor: 1		Analysis Time..: 21:46		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

TOTAL Metals

Lot-Sample #...: H8D300162-006 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12/98	CGT7210W
		Dilution Factor: 1		Analysis Time..: 15:18		
Prep Batch #...: 8132202						
Aluminum	7300	23.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT72106
		Dilution Factor: 1		Analysis Time..: 21:51		
Arsenic	6.1	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT7210R
		Dilution Factor: 1		Analysis Time..: 18:48		
Lead	70.0	0.36	mg/kg	SW846 6010A	05/13-05/25/98	CGT7210T
		Dilution Factor: 1		Analysis Time..: 18:48		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT72107
		Dilution Factor: 1		Analysis Time..: 21:51		
Barium	67.5	23.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT72108
		Dilution Factor: 1		Analysis Time..: 21:51		
Selenium	0.62	0.60	mg/kg	SW846 6010A	05/13-05/25/98	CGT7210U
		Dilution Factor: 1		Analysis Time..: 18:48		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGT72109
		Dilution Factor: 1		Analysis Time..: 21:51		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT7210V
		Dilution Factor: 1		Analysis Time..: 18:48		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210A
		Dilution Factor: 1		Analysis Time..: 21:51		
Calcium	8850	598	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210C
		Dilution Factor: 1		Analysis Time..: 21:51		
Chromium	13.8	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210D
		Dilution Factor: 1		Analysis Time..: 21:51		
Cobalt	8.3	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210E
		Dilution Factor: 1		Analysis Time..: 21:51		
Copper	15.7	3.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210F
		Dilution Factor: 1		Analysis Time..: 21:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

TOTAL Metals

Lot-Sample #...: H8D300162-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17200	12.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210G
		Dilution Factor: 1		Analysis Time..: 21:51		
Magnesium	3140	598	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210H
		Dilution Factor: 1		Analysis Time..: 21:51		
Manganese	320	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210J
		Dilution Factor: 1		Analysis Time..: 21:51		
Nickel	16.5	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210K
		Dilution Factor: 1		Analysis Time..: 21:51		
Potassium	955	598	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210L
		Dilution Factor: 1		Analysis Time..: 21:51		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210M
		Dilution Factor: 1		Analysis Time..: 21:51		
Sodium	650	598	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210N
		Dilution Factor: 1		Analysis Time..: 21:51		
Vanadium	18.4	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210P
		Dilution Factor: 1		Analysis Time..: 21:51		
Zinc	136	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT7210Q
		Dilution Factor: 1		Analysis Time..: 21:51		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

TOTAL Metals

Lot-Sample #...: H8D300162-007 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGT7610W
		Dilution Factor: 1		Analysis Time..: 15:20		
Prep Batch #...: 8132202						
Aluminum	11100	24.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT76106
		Dilution Factor: 1		Analysis Time..: 21:56		
Arsenic	9.6	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT7610R
		Dilution Factor: 1		Analysis Time..: 19:05		
Lead	10.6	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT7610T
		Dilution Factor: 1		Analysis Time..: 19:05		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT76107
		Dilution Factor: 1		Analysis Time..: 21:56		
Barium	65.2	24.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT76108
		Dilution Factor: 1		Analysis Time..: 21:56		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGT7610U
		Dilution Factor: 1		Analysis Time..: 19:05		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT76109
		Dilution Factor: 1		Analysis Time..: 21:56		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT7610V
		Dilution Factor: 1		Analysis Time..: 19:05		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610A
		Dilution Factor: 1		Analysis Time..: 21:56		
Calcium	63000	611	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610C
		Dilution Factor: 1		Analysis Time..: 21:56		
Chromium	17.2	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610D
		Dilution Factor: 1		Analysis Time..: 21:56		
Cobalt	10.9	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610E
		Dilution Factor: 1		Analysis Time..: 21:56		
Copper	26.5	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610F
		Dilution Factor: 1		Analysis Time..: 21:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

TOTAL Metals

Lot-Sample #...: H8D300162-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	23500	12.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610G
		Dilution Factor: 1		Analysis Time..: 21:56		
Magnesium	14800	611	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610H
		Dilution Factor: 1		Analysis Time..: 21:56		
Manganese	360	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610J
		Dilution Factor: 1		Analysis Time..: 21:56		
Nickel	23.8	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610K
		Dilution Factor: 1		Analysis Time..: 21:56		
Potassium	1800	611	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610L
		Dilution Factor: 1		Analysis Time..: 21:56		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610M
		Dilution Factor: 1		Analysis Time..: 21:56		
Sodium	ND	611	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610N
		Dilution Factor: 1		Analysis Time..: 21:56		
Vanadium	27.1	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610P
		Dilution Factor: 1		Analysis Time..: 21:56		
Zinc	68.1	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT7610Q
		Dilution Factor: 1		Analysis Time..: 21:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

TOTAL Metals

Lot-Sample #...: H8D300162-008 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12/98	CGT7E12M
		Dilution Factor: 1		Analysis Time..: 15:23		
Prep Batch #...: 8132202						
Aluminum	**10200**	**23.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E10F**
		Dilution Factor: 1		Analysis Time..: 22:01		
Arsenic	**5.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT7E128**
		Dilution Factor: 1		Analysis Time..: 19:10		
Lead	**7.7**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT7E12C**
		Dilution Factor: 1		Analysis Time..: 19:10		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E10J
		Dilution Factor: 1		Analysis Time..: 22:01		
Barium	**42.3**	**23.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E10M**
		Dilution Factor: 1		Analysis Time..: 22:01		
Selenium	**0.72**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT7E12F**
		Dilution Factor: 1		Analysis Time..: 19:10		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E10Q
		Dilution Factor: 1		Analysis Time..: 22:01		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT7E12J
		Dilution Factor: 1		Analysis Time..: 19:10		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E10U
		Dilution Factor: 1		Analysis Time..: 22:01		
Calcium	**5160**	**595**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E10X**
		Dilution Factor: 1		Analysis Time..: 22:01		
Chromium	**15.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E112**
		Dilution Factor: 1		Analysis Time..: 22:01		
Cobalt	**11.3**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E115**
		Dilution Factor: 1		Analysis Time..: 22:01		
Copper	**12.5**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT7E118**
		Dilution Factor: 1		Analysis Time..: 22:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

TOTAL Metals

Lot-Sample #...: H8D300162-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18500	11.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11C
		Dilution Factor: 1		Analysis Time..: 22:01		
Magnesium	2750	595	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11F
		Dilution Factor: 1		Analysis Time..: 22:01		
Manganese	286	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11J
		Dilution Factor: 1		Analysis Time..: 22:01		
Nickel	16.4	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11M
		Dilution Factor: 1		Analysis Time..: 22:01		
Potassium	1000	595	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11Q
		Dilution Factor: 1		Analysis Time..: 22:01		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11U
		Dilution Factor: 1		Analysis Time..: 22:01		
Sodium	ND	595	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E11X
		Dilution Factor: 1		Analysis Time..: 22:01		
Vanadium	24.8	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E122
		Dilution Factor: 1		Analysis Time..: 22:01		
Zinc	37.6	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT7E125
		Dilution Factor: 1		Analysis Time..: 22:01		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

TOTAL Metals

Lot-Sample #...: H8D300162-009 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGT9110W
		Dilution Factor: 1		Analysis Time..: 15:30		
Prep Batch #...: 8132202						
Aluminum	**9690**	**25.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT91106**
		Dilution Factor: 1		Analysis Time..: 22:32		
Arsenic	**13.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9110R**
		Dilution Factor: 1		Analysis Time..: 19:32		
Lead	**9.0**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9110T**
		Dilution Factor: 1		Analysis Time..: 19:32		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT91107
		Dilution Factor: 1		Analysis Time..: 22:32		
Barium	**59.2**	**25.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT91108**
		Dilution Factor: 1		Analysis Time..: 22:32		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGT9110U
		Dilution Factor: 1		Analysis Time..: 19:32		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT91109
		Dilution Factor: 1		Analysis Time..: 22:32		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9110V
		Dilution Factor: 1		Analysis Time..: 19:32		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110A
		Dilution Factor: 1		Analysis Time..: 22:32		
Calcium	**54000**	**625**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9110C**
		Dilution Factor: 1		Analysis Time..: 22:32		
Chromium	**15.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9110D**
		Dilution Factor: 1		Analysis Time..: 22:32		
Cobalt	**10.2**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9110E**
		Dilution Factor: 1		Analysis Time..: 22:32		
Copper	**24.4**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9110F**
		Dilution Factor: 1		Analysis Time..: 22:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

TOTAL Metals

Lot-Sample #...: H8D300162-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	23500	12.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110G
		Dilution Factor: 1		Analysis Time..: 22:32		
Magnesium	16900	625	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110H
		Dilution Factor: 1		Analysis Time..: 22:32		
Manganese	507	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110J
		Dilution Factor: 1		Analysis Time..: 22:32		
Nickel	29.2	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110K
		Dilution Factor: 1		Analysis Time..: 22:32		
Potassium	1710	625	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110L
		Dilution Factor: 1		Analysis Time..: 22:32		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110M
		Dilution Factor: 1		Analysis Time..: 22:32		
Sodium	ND	625	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110N
		Dilution Factor: 1		Analysis Time..: 22:32		
Vanadium	26.7	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110P
		Dilution Factor: 1		Analysis Time..: 22:32		
Zinc	61.8	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9110Q
		Dilution Factor: 1		Analysis Time..: 22:32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

TOTAL Metals

Lot-Sample #...: H8D300162-010 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	0.040	0.038	mg/kg	SW846 7471A	05/12/98	CGT9510V
		Dilution Factor: 1		Analysis Time..: 15:32		
Prep Batch #...: 8132202						
Aluminum	18400	22.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT95105
		Dilution Factor: 1		Analysis Time..: 22:37		
Arsenic	7.7	1.1	mg/kg	SW846 6010A	05/13-05/25/98	CGT9510Q
		Dilution Factor: 1		Analysis Time..: 19:38		
Lead	13.2	0.34	mg/kg	SW846 6010A	05/13-05/25/98	CGT9510R
		Dilution Factor: 1		Analysis Time..: 19:38		
Antimony	ND	6.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT95106
		Dilution Factor: 1		Analysis Time..: 22:37		
Barium	98.6	22.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT95107
		Dilution Factor: 1		Analysis Time..: 22:37		
Selenium	0.73	0.57	mg/kg	SW846 6010A	05/13-05/25/98	CGT9510T
		Dilution Factor: 1		Analysis Time..: 19:38		
Beryllium	0.86	0.57	mg/kg	SW846 6010A	05/13-05/22/98	CGT95108
		Dilution Factor: 1		Analysis Time..: 22:37		
Thallium	ND	1.1	mg/kg	SW846 6010A	05/13-05/25/98	CGT9510U
		Dilution Factor: 1		Analysis Time..: 19:38		
Cadmium	ND	0.57	mg/kg	SW846 6010A	05/13-05/22/98	CGT95109
		Dilution Factor: 1		Analysis Time..: 22:37		
Calcium	3670	573	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510A
		Dilution Factor: 1		Analysis Time..: 22:37		
Chromium	23.7	1.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510C
		Dilution Factor: 1		Analysis Time..: 22:37		
Cobalt	11.9	5.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510D
		Dilution Factor: 1		Analysis Time..: 22:37		
Copper	18.2	2.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510E
		Dilution Factor: 1		Analysis Time..: 22:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

TOTAL Metals

Lot-Sample #...: H8D300162-010 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	25600	11.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510F
		Dilution Factor: 1		Analysis Time..: 22:37		
Magnesium	3710	573	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510G
		Dilution Factor: 1		Analysis Time..: 22:37		
Manganese	191	1.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510H
		Dilution Factor: 1		Analysis Time..: 22:37		
Nickel	25.0	4.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510J
		Dilution Factor: 1		Analysis Time..: 22:37		
Potassium	1850	573	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510K
		Dilution Factor: 1		Analysis Time..: 22:37		
Silver	ND	1.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510L
		Dilution Factor: 1		Analysis Time..: 22:37		
Sodium	ND	573	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510M
		Dilution Factor: 1		Analysis Time..: 22:37		
Vanadium	35.3	5.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510N
		Dilution Factor: 1		Analysis Time..: 22:37		
Zinc	59.9	2.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9510P
		Dilution Factor: 1		Analysis Time..: 22:37		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

TOTAL Metals

Lot-Sample #...: H8D300162-011 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGT9610V
		Dilution Factor: 1		Analysis Time..: 15:35		
Prep Batch #...: 8132202						
Aluminum	10800	25.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT96105
		Dilution Factor: 1		Analysis Time..: 22:42		
Arsenic	5.6	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGT9610Q
		Dilution Factor: 1		Analysis Time..: 19:43		
Lead	9.7	0.39	mg/kg	SW846 6010A	05/13-05/25/98	CGT9610R
		Dilution Factor: 1		Analysis Time..: 19:43		
Antimony	ND	7.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT96106
		Dilution Factor: 1		Analysis Time..: 22:42		
Barium	59.4	25.7	mg/kg	SW846 6010A	05/13-05/22/98	CGT96107
		Dilution Factor: 1		Analysis Time..: 22:42		
Selenium	ND	0.64	mg/kg	SW846 6010A	05/13-05/25/98	CGT9610T
		Dilution Factor: 1		Analysis Time..: 19:43		
Beryllium	ND	0.64	mg/kg	SW846 6010A	05/13-05/22/98	CGT96108
		Dilution Factor: 1		Analysis Time..: 22:42		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGT9610U
		Dilution Factor: 1		Analysis Time..: 19:43		
Cadmium	ND	0.64	mg/kg	SW846 6010A	05/13-05/22/98	CGT96109
		Dilution Factor: 1		Analysis Time..: 22:42		
Calcium	55300	644	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610A
		Dilution Factor: 1		Analysis Time..: 22:42		
Chromium	16.9	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610C
		Dilution Factor: 1		Analysis Time..: 22:42		
Cobalt	9.3	6.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610D
		Dilution Factor: 1		Analysis Time..: 22:42		
Copper	22.5	3.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610E
		Dilution Factor: 1		Analysis Time..: 22:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

TOTAL Metals

Lot-Sample #...: H8D300162-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20300	12.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610F
		Dilution Factor: 1		Analysis Time..: 22:42		
Magnesium	17200	644	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610G
		Dilution Factor: 1		Analysis Time..: 22:42		
Manganese	309	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610H
		Dilution Factor: 1		Analysis Time..: 22:42		
Nickel	23.3	5.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610J
		Dilution Factor: 1		Analysis Time..: 22:42		
Potassium	2120	644	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610K
		Dilution Factor: 1		Analysis Time..: 22:42		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610L
		Dilution Factor: 1		Analysis Time..: 22:42		
Sodium	ND	644	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610M
		Dilution Factor: 1		Analysis Time..: 22:42		
Vanadium	26.8	6.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610N
		Dilution Factor: 1		Analysis Time..: 22:42		
Zinc	65.2	2.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT9610P
		Dilution Factor: 1		Analysis Time..: 22:42		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

TOTAL Metals

Lot-Sample #...: H8D300162-012 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	0.046	0.041	mg/kg	SW846 7471A	05/12/98	CGT9D10V
		Dilution Factor: 1		Analysis Time..: 15:37		
Prep Batch #...: 8132202						
Aluminum	9060	24.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D105
		Dilution Factor: 1		Analysis Time..: 22:47		
Arsenic	7.0	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9D10Q
		Dilution Factor: 1		Analysis Time..: 19:49		
Lead	7.0	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT9D10R
		Dilution Factor: 1		Analysis Time..: 19:49		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D106
		Dilution Factor: 1		Analysis Time..: 22:47		
Barium	26.3	24.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D107
		Dilution Factor: 1		Analysis Time..: 22:47		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGT9D10T
		Dilution Factor: 1		Analysis Time..: 19:49		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D108
		Dilution Factor: 1		Analysis Time..: 22:47		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9D10U
		Dilution Factor: 1		Analysis Time..: 19:49		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D109
		Dilution Factor: 1		Analysis Time..: 22:47		
Calcium	1620	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10A
		Dilution Factor: 1		Analysis Time..: 22:47		
Chromium	15.1	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10C
		Dilution Factor: 1		Analysis Time..: 22:47		
Cobalt	8.8	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10D
		Dilution Factor: 1		Analysis Time..: 22:47		
Copper	13.5	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10E
		Dilution Factor: 1		Analysis Time..: 22:47		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

TOTAL Metals

Lot-Sample #...: H8D300162-012 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20200	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10F
		Dilution Factor: 1		Analysis Time..: 22:47		
Magnesium	2190	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10G
		Dilution Factor: 1		Analysis Time..: 22:47		
Manganese	309	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10H
		Dilution Factor: 1		Analysis Time..: 22:47		
Nickel	15.7	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10J
		Dilution Factor: 1		Analysis Time..: 22:47		
Potassium	835	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10K
		Dilution Factor: 1		Analysis Time..: 22:47		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10L
		Dilution Factor: 1		Analysis Time..: 22:47		
Sodium	ND	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10M
		Dilution Factor: 1		Analysis Time..: 22:47		
Vanadium	26.7	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10N
		Dilution Factor: 1		Analysis Time..: 22:47		
Zinc	39.1	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9D10P
		Dilution Factor: 1		Analysis Time..: 22:47		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

TOTAL Metals

Lot-Sample #...: H8D300162-013 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGT9H10V
		Dilution Factor: 1		Analysis Time..: 15:45		
Prep Batch #...: 8132202						
Aluminum	12800	24.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H105
		Dilution Factor: 1		Analysis Time..: 22:52		
Arsenic	4.2	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9H10Q
		Dilution Factor: 1		Analysis Time..: 19:55		
Lead	10.4	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGT9H10R
		Dilution Factor: 1		Analysis Time..: 19:55		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H106
		Dilution Factor: 1		Analysis Time..: 22:52		
Barium	57.5	24.8	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H107
		Dilution Factor: 1		Analysis Time..: 22:52		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGT9H10T
		Dilution Factor: 1		Analysis Time..: 19:55		
Beryllium	0.62	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H108
		Dilution Factor: 1		Analysis Time..: 22:52		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9H10U
		Dilution Factor: 1		Analysis Time..: 19:55		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H109
		Dilution Factor: 1		Analysis Time..: 22:52		
Calcium	55300	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10A
		Dilution Factor: 1		Analysis Time..: 22:52		
Chromium	19.3	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10C
		Dilution Factor: 1		Analysis Time..: 22:52		
Cobalt	11.6	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10D
		Dilution Factor: 1		Analysis Time..: 22:52		
Copper	24.1	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10E
		Dilution Factor: 1		Analysis Time..: 22:52		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

TOTAL Metals

Lot-Sample #...: H8D300162-013 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21900	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10F
		Dilution Factor: 1		Analysis Time..: 22:52		
Magnesium	15000	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10G
		Dilution Factor: 1		Analysis Time..: 22:52		
Manganese	465	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10H
		Dilution Factor: 1		Analysis Time..: 22:52		
Nickel	27.1	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10J
		Dilution Factor: 1		Analysis Time..: 22:52		
Potassium	2640	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10K
		Dilution Factor: 1		Analysis Time..: 22:52		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10L
		Dilution Factor: 1		Analysis Time..: 22:52		
Sodium	ND	620	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10M
		Dilution Factor: 1		Analysis Time..: 22:52		
Vanadium	30.0	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10N
		Dilution Factor: 1		Analysis Time..: 22:52		
Zinc	69.2	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9H10P
		Dilution Factor: 1		Analysis Time..: 22:52		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

TOTAL Metals

Lot-Sample #...: H8D300162-014 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGT9J10V
		Dilution Factor: 1		Analysis Time..: 15:47		
Prep Batch #...: 8132202						
Aluminum	**7090**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J105**
		Dilution Factor: 1		Analysis Time..: 22:57		
Arsenic	**4.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9J10Q**
		Dilution Factor: 1		Analysis Time..: 20:11		
Lead	**20.4**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9J10R**
		Dilution Factor: 1		Analysis Time..: 20:11		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J106
		Dilution Factor: 1		Analysis Time..: 22:57		
Barium	**59.1**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J107**
		Dilution Factor: 1		Analysis Time..: 22:57		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGT9J10T
		Dilution Factor: 1		Analysis Time..: 20:11		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J108
		Dilution Factor: 1		Analysis Time..: 22:57		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGT9J10U
		Dilution Factor: 1		Analysis Time..: 20:11		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J109
		Dilution Factor: 1		Analysis Time..: 22:57		
Calcium	**3030**	**617**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J10A**
		Dilution Factor: 1		Analysis Time..: 22:57		
Chromium	**10.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J10C**
		Dilution Factor: 1		Analysis Time..: 22:57		
Cobalt	**6.9**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J10D**
		Dilution Factor: 1		Analysis Time..: 22:57		
Copper	**11.5**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9J10E**
		Dilution Factor: 1		Analysis Time..: 22:57		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

TOTAL Metals

Lot-Sample #...: H8D300162-014 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14600	12.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10F
		Dilution Factor: 1		Analysis Time..: 22:57		
Magnesium	1780	617	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10G
		Dilution Factor: 1		Analysis Time..: 22:57		
Manganese	284	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10H
		Dilution Factor: 1		Analysis Time..: 22:57		
Nickel	14.4	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10J
		Dilution Factor: 1		Analysis Time..: 22:57		
Potassium	669	617	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10K
		Dilution Factor: 1		Analysis Time..: 22:57		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10L
		Dilution Factor: 1		Analysis Time..: 22:57		
Sodium	ND	617	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10M
		Dilution Factor: 1		Analysis Time..: 22:57		
Vanadium	17.5	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10N
		Dilution Factor: 1		Analysis Time..: 22:57		
Zinc	84.1	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9J10P
		Dilution Factor: 1		Analysis Time..: 22:57		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

TOTAL Metals

Lot-Sample #...: H8D300162-015 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGT9W10V
		Dilution Factor: 1		Analysis Time..: 15:49		
Prep Batch #...: 8132202						
Aluminum	**8660**	**25.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W105**
		Dilution Factor: 1		Analysis Time..: 23:02		
Arsenic	**10.4**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9W10Q**
		Dilution Factor: 1		Analysis Time..: 20:17		
Lead	**10.0**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGT9W10R**
		Dilution Factor: 1		Analysis Time..: 20:17		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W106
		Dilution Factor: 1		Analysis Time..: 23:02		
Barium	**107**	**25.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W107**
		Dilution Factor: 1		Analysis Time..: 23:02		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-05/25/98	CGT9W10T
		Dilution Factor: 1		Analysis Time..: 20:17		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W108
		Dilution Factor: 1		Analysis Time..: 23:02		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGT9W10U
		Dilution Factor: 1		Analysis Time..: 20:17		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W109
		Dilution Factor: 1		Analysis Time..: 23:02		
Calcium	**58100**	**631**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W10A**
		Dilution Factor: 1		Analysis Time..: 23:02		
Chromium	**13.1**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W10C**
		Dilution Factor: 1		Analysis Time..: 23:02		
Cobalt	**12.6**	**6.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W10D**
		Dilution Factor: 1		Analysis Time..: 23:02		
Copper	**23.1**	**3.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGT9W10E**
		Dilution Factor: 1		Analysis Time..: 23:02		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

TOTAL Metals

Lot-Sample #...: H8D300162-015 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21600	12.6	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10F
		Dilution Factor: 1		Analysis Time..: 23:02		
Magnesium	16900	631	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10G
		Dilution Factor: 1		Analysis Time..: 23:02		
Manganese	713	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10H
		Dilution Factor: 1		Analysis Time..: 23:02		
Nickel	28.1	5.1	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10J
		Dilution Factor: 1		Analysis Time..: 23:02		
Potassium	2010	631	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10K
		Dilution Factor: 1		Analysis Time..: 23:02		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10L
		Dilution Factor: 1		Analysis Time..: 23:02		
Sodium	ND	631	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10M
		Dilution Factor: 1		Analysis Time..: 23:02		
Vanadium	23.5	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10N
		Dilution Factor: 1		Analysis Time..: 23:02		
Zinc	56.7	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGT9W10P
		Dilution Factor: 1		Analysis Time..: 23:02		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

TOTAL Metals

Lot-Sample #...: H8D300162-016 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.038	mg/kg	SW846 7471A	05/12/98	CGTA010V
		Dilution Factor: 1		Analysis Time..: 15:52		
Prep Batch #...: 8132202						
Aluminum	7230	23.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA0105
		Dilution Factor: 1		Analysis Time..: 23:07		
Arsenic	4.2	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGTA010Q
		Dilution Factor: 1		Analysis Time..: 20:22		
Lead	8.1	0.35	mg/kg	SW846 6010A	05/13-05/25/98	CGTA010R
		Dilution Factor: 1		Analysis Time..: 20:22		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/13-05/22/98	CGTA0106
		Dilution Factor: 1		Analysis Time..: 23:07		
Barium	43.0	23.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA0107
		Dilution Factor: 1		Analysis Time..: 23:07		
Selenium	0.59	0.58	mg/kg	SW846 6010A	05/13-05/25/98	CGTA010T
		Dilution Factor: 1		Analysis Time..: 20:22		
Beryllium	ND	0.58	mg/kg	SW846 6010A	05/13-05/22/98	CGTA0108
		Dilution Factor: 1		Analysis Time..: 23:07		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGTA010U
		Dilution Factor: 1		Analysis Time..: 20:22		
Cadmium	ND	0.58	mg/kg	SW846 6010A	05/13-05/22/98	CGTA0109
		Dilution Factor: 1		Analysis Time..: 23:07		
Calcium	2990	583	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010A
		Dilution Factor: 1		Analysis Time..: 23:07		
Chromium	9.0	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010C
		Dilution Factor: 1		Analysis Time..: 23:07		
Cobalt	6.4	5.8	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010D
		Dilution Factor: 1		Analysis Time..: 23:07		
Copper	7.4	2.9	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010E
		Dilution Factor: 1		Analysis Time..: 23:07		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

TOTAL Metals

Lot-Sample #...: H8D300162-016 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	12200	11.7	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010F
		Dilution Factor: 1		Analysis Time..: 23:07		
Magnesium	1860	583	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010G
		Dilution Factor: 1		Analysis Time..: 23:07		
Manganese	256	1.7	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010H
		Dilution Factor: 1		Analysis Time..: 23:07		
Nickel	11.0	4.7	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010J
		Dilution Factor: 1		Analysis Time..: 23:07		
Potassium	587	583	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010K
		Dilution Factor: 1		Analysis Time..: 23:07		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010L
		Dilution Factor: 1		Analysis Time..: 23:07		
Sodium	ND	583	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010M
		Dilution Factor: 1		Analysis Time..: 23:07		
Vanadium	17.3	5.8	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010N
		Dilution Factor: 1		Analysis Time..: 23:07		
Zinc	33.4	2.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA010P
		Dilution Factor: 1		Analysis Time..: 23:07		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

TOTAL Metals

Lot-Sample #...: H8D300162-017 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGTA110V
		Dilution Factor: 1		Analysis Time..: 15:54		
Prep Batch #...: 8132202						
Aluminum	14200	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGTA1105
		Dilution Factor: 1		Analysis Time..: 23:12		
Arsenic	9.5	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGTA110Q
		Dilution Factor: 1		Analysis Time..: 20:28		
Lead	11.8	0.37	mg/kg	SW846 6010A	05/13-05/25/98	CGTA110R
		Dilution Factor: 1		Analysis Time..: 20:28		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGTA1106
		Dilution Factor: 1		Analysis Time..: 23:12		
Barium	78.5	24.5	mg/kg	SW846 6010A	05/13-05/22/98	CGTA1107
		Dilution Factor: 1		Analysis Time..: 23:12		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGTA110T
		Dilution Factor: 1		Analysis Time..: 20:28		
Beryllium	0.80	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGTA1108
		Dilution Factor: 1		Analysis Time..: 23:12		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGTA110U
		Dilution Factor: 1		Analysis Time..: 20:28		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGTA1109
		Dilution Factor: 1		Analysis Time..: 23:12		
Calcium	3980	613	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110A
		Dilution Factor: 1		Analysis Time..: 23:12		
Chromium	21.4	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110C
		Dilution Factor: 1		Analysis Time..: 23:12		
Cobalt	10.3	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110D
		Dilution Factor: 1		Analysis Time..: 23:12		
Copper	23.4	3.1	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110E
		Dilution Factor: 1		Analysis Time..: 23:12		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

TOTAL Metals

Lot-Sample #...: H8D300162-017 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	27300	12.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110F
		Dilution Factor: 1		Analysis Time..: 23:12		
Magnesium	4120	613	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110G
		Dilution Factor: 1		Analysis Time..: 23:12		
Manganese	253	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110H
		Dilution Factor: 1		Analysis Time..: 23:12		
Nickel	25.4	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110J
		Dilution Factor: 1		Analysis Time..: 23:12		
Potassium	1330	613	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110K
		Dilution Factor: 1		Analysis Time..: 23:12		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110L
		Dilution Factor: 1		Analysis Time..: 23:12		
Sodium	ND	613	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110M
		Dilution Factor: 1		Analysis Time..: 23:12		
Vanadium	32.2	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110N
		Dilution Factor: 1		Analysis Time..: 23:12		
Zinc	63.7	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGTA110P
		Dilution Factor: 1		Analysis Time..: 23:12		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

TOTAL Metals

Lot-Sample #...: H8D300162-018 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGTA510V
		Dilution Factor: 1		Analysis Time..: 15:57		
Prep Batch #...: 8132202						
Aluminum	**10900**	**24.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA5105**
		Dilution Factor: 1		Analysis Time..: 23:27		
Arsenic	**5.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGTA510Q**
		Dilution Factor: 1		Analysis Time..: 20:33		
Lead	**8.7**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGTA510R**
		Dilution Factor: 1		Analysis Time..: 20:33		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA5106
		Dilution Factor: 1		Analysis Time..: 23:27		
Barium	**64.5**	**24.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA5107**
		Dilution Factor: 1		Analysis Time..: 23:27		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGTA510T
		Dilution Factor: 1		Analysis Time..: 20:33		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGTA5108
		Dilution Factor: 1		Analysis Time..: 23:27		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGTA510U
		Dilution Factor: 1		Analysis Time..: 20:33		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGTA5109
		Dilution Factor: 1		Analysis Time..: 23:27		
Calcium	**4970**	**611**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA510A**
		Dilution Factor: 1		Analysis Time..: 23:27		
Chromium	**14.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA510C**
		Dilution Factor: 1		Analysis Time..: 23:27		
Cobalt	**8.6**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA510D**
		Dilution Factor: 1		Analysis Time..: 23:27		
Copper	**12.7**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGTA510E**
		Dilution Factor: 1		Analysis Time..: 23:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

TOTAL Metals

Lot-Sample #...: H8D300162-018 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17100	12.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510F
		Dilution Factor: 1		Analysis Time..: 23:27		
Magnesium	2660	611	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510G
		Dilution Factor: 1		Analysis Time..: 23:27		
Manganese	208	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510H
		Dilution Factor: 1		Analysis Time..: 23:27		
Nickel	17.0	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510J
		Dilution Factor: 1		Analysis Time..: 23:27		
Potassium	896	611	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510K
		Dilution Factor: 1		Analysis Time..: 23:27		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510L
		Dilution Factor: 1		Analysis Time..: 23:27		
Sodium	ND	611	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510M
		Dilution Factor: 1		Analysis Time..: 23:27		
Vanadium	25.3	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510N
		Dilution Factor: 1		Analysis Time..: 23:27		
Zinc	44.7	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGTA510P
		Dilution Factor: 1		Analysis Time..: 23:27		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

TOTAL Metals

Lot-Sample #...: H8D300162-019 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131276						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGTA710V
		Dilution Factor: 1		Analysis Time..: 15:59		
Prep Batch #...: 8132202						
Aluminum	11000	25.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA7105
		Dilution Factor: 1		Analysis Time..: 23:32		
Arsenic	7.0	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGTA710Q
		Dilution Factor: 1		Analysis Time..: 20:39		
Lead	12.2	0.38	mg/kg	SW846 6010A	05/13-05/25/98	CGTA710R
		Dilution Factor: 1		Analysis Time..: 20:39		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-05/22/98	CGTA7106
		Dilution Factor: 1		Analysis Time..: 23:32		
Barium	81.0	25.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA7107
		Dilution Factor: 1		Analysis Time..: 23:32		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-05/25/98	CGTA710T
		Dilution Factor: 1		Analysis Time..: 20:39		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGTA7108
		Dilution Factor: 1		Analysis Time..: 23:32		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGTA710U
		Dilution Factor: 1		Analysis Time..: 20:39		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGTA7109
		Dilution Factor: 1		Analysis Time..: 23:32		
Calcium	48400	631	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710A
		Dilution Factor: 1		Analysis Time..: 23:32		
Chromium	16.0	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710C
		Dilution Factor: 1		Analysis Time..: 23:32		
Cobalt	17.3	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710D
		Dilution Factor: 1		Analysis Time..: 23:32		
Copper	26.2	3.2	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710E
		Dilution Factor: 1		Analysis Time..: 23:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

TOTAL Metals

Lot-Sample #...: H8D300162-019 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	24200	12.6	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710F
		Dilution Factor: 1		Analysis Time..: 23:32		
Magnesium	18100	631	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710G
		Dilution Factor: 1		Analysis Time..: 23:32		
Manganese	644	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710H
		Dilution Factor: 1		Analysis Time..: 23:32		
Nickel	39.2	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710J
		Dilution Factor: 1		Analysis Time..: 23:32		
Potassium	2430	631	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710K
		Dilution Factor: 1		Analysis Time..: 23:32		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710L
		Dilution Factor: 1		Analysis Time..: 23:32		
Sodium	ND	631	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710M
		Dilution Factor: 1		Analysis Time..: 23:32		
Vanadium	28.1	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710N
		Dilution Factor: 1		Analysis Time..: 23:32		
Zinc	68.8	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGTA710P
		Dilution Factor: 1		Analysis Time..: 23:32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6481

TOTAL Metals

Lot-Sample #...: H8D300162-020 Matrix.....: WATER
Date Sampled...: 04/28/98 Date Received..: 04/30/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGTAE103
		Dilution Factor: 1		Analysis Time..: 17:45		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGTAE10N
		Dilution Factor: 1		Analysis Time..: 19:07		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGTAE10P
		Dilution Factor: 1		Analysis Time..: 19:07		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE104
		Dilution Factor: 1		Analysis Time..: 17:45		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGTAE105
		Dilution Factor: 1		Analysis Time..: 17:45		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGTAE10Q
		Dilution Factor: 1		Analysis Time..: 19:07		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE106
		Dilution Factor: 1		Analysis Time..: 17:45		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGTAE10R
		Dilution Factor: 1		Analysis Time..: 19:07		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE107
		Dilution Factor: 1		Analysis Time..: 17:45		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGTAE108
		Dilution Factor: 1		Analysis Time..: 17:45		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE109
		Dilution Factor: 1		Analysis Time..: 17:45		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10A
		Dilution Factor: 1		Analysis Time..: 17:45		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10C
		Dilution Factor: 1		Analysis Time..: 17:45		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10D
		Dilution Factor: 1		Analysis Time..: 17:45		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6481

TOTAL Metals

Lot-Sample #...: H8D300162-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10E
		Dilution Factor: 1		Analysis Time..: 17:45		
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10F
		Dilution Factor: 1		Analysis Time..: 17:45		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10G
		Dilution Factor: 1		Analysis Time..: 17:45		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10H
		Dilution Factor: 1		Analysis Time..: 17:45		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10J
		Dilution Factor: 1		Analysis Time..: 17:45		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10K
		Dilution Factor: 1		Analysis Time..: 17:45		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10L
		Dilution Factor: 1		Analysis Time..: 17:45		
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CGTAE10M
		Dilution Factor: 1		Analysis Time..: 17:45		

Prep Batch #...: 8138109

Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGTAE10T
		Dilution Factor: 1		Analysis Time..: 09:43		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E110000-276 **Prep Batch #...:** 8131276						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/12/98	CH3G2103
		Dilution Factor: 1				
		Analysis Time..: 14:56				
MB Lot-Sample #: H8E120000-202 **Prep Batch #...:** 8132202						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10K
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/13-05/25/98	CH44D10F
		Dilution Factor: 1				
		Analysis Time..: 13:52				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10L
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Lead	ND	0.30	mg/kg	SW846 6010A	05/13-05/25/98	CH44D10G
		Dilution Factor: 1				
		Analysis Time..: 13:52				
Barium	ND	20.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10M
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/13-05/25/98	CH44D10H
		Dilution Factor: 1				
		Analysis Time..: 13:52				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10N
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/13-05/25/98	CH44D10J
		Dilution Factor: 1				
		Analysis Time..: 13:52				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10P
		Dilution Factor: 1				
		Analysis Time..: 17:35				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH44D101
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D102
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D103
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Copper	ND	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CH44D104
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Iron	ND	10.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D105
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Magnesium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH44D106
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/13-05/22/98	CH44D107
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D108
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Potassium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH44D109
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Silver	ND	1.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10A
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Sodium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10C
		Dilution Factor: 1				
		Analysis Time..: 17:35				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10D
		Dilution Factor: 1				
		Analysis Time..: 17:35				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/13-05/22/98	CH44D10E

Dilution Factor: 1
Analysis Time..: 17:35

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E150000-135 **Prep Batch #...:** 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210H
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210D
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210J
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210E
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210K
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210F
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210L
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210G
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210M
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H210N
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210P
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2101
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2102
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CH6H2103
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2104
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2105
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2106
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2107
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2108
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2109
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210A
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210C
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E180000-109 **Prep Batch #...:** 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CH8AX101
		Dilution Factor: 1				
		Analysis Time..: 09:38				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8D300162-008 **Prep Batch #...:** 8131276							
Mercury	94	(55 - 130)			SW846 7471A	05/12/98	CGT7E12N
	94	(55 - 130)	0.0	(0-20)	SW846 7471A	05/12/98	CGT7E12P
		Dilution Factor: 1					
		Analysis Time..: 15:25					
MS Lot-Sample #: H8D300162-008 **Prep Batch #...:** 8132202							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E10G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/22/98	CGT7E10H
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Arsenic	82	(80 - 120)			SW846 6010A	05/13-05/25/98	CGT7E129
	84	(80 - 120)	1.8	(0-20)	SW846 6010A	05/13-05/25/98	CGT7E12A
		Dilution Factor: 1					
		Analysis Time..: 19:16					
Antimony	52 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E10K
	48 N	(80 - 120)	9.2	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E10L
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Lead	84	(80 - 120)			SW846 6010A	05/13-05/25/98	CGT7E12D
	85	(80 - 120)	0.23	(0-20)	SW846 6010A	05/13-05/25/98	CGT7E12E
		Dilution Factor: 1					
		Analysis Time..: 19:16					
Barium	101	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E10N
	103	(80 - 120)	1.5	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E10P
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Selenium	82	(80 - 120)			SW846 6010A	05/13-05/25/98	CGT7E12G
	83	(80 - 120)	0.99	(0-20)	SW846 6010A	05/13-05/25/98	CGT7E12H
		Dilution Factor: 1					
		Analysis Time..: 19:16					
Beryllium	107	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E10R
	109	(80 - 120)	2.0	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E10T
		Dilution Factor: 1					
		Analysis Time..: 22:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	79 N	(80 - 120)			SW846 6010A	05/13-05/25/98	CGT7E12K
	79 N	(80 - 120)	0.24	(0-20)	SW846 6010A	05/13-05/25/98	CGT7E12L
		Dilution Factor: 1					
		Analysis Time..: 19:16					
Cadmium	96	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E10V
	102	(80 - 120)	5.7	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E10W
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Calcium	136 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E110
	470 N,*	(80 - 120)	86	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E111
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Chromium	100	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E113
	107	(80 - 120)	4.2	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E114
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Cobalt	84	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E116
	85	(80 - 120)	0.41	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E117
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Copper	97	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E119
	95	(80 - 120)	1.8	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11A
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11E
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Magnesium	114	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11G
	131 N	(80 - 120)	9.9	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11H
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Manganese	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11K
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11L
		Dilution Factor: 1					
		Analysis Time..: 22:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	93	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11N
	94	(80 - 120)	0.94	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11P
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Potassium	116	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11R
	131 N	(80 - 120)	11	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11T
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Silver	83	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E11V
	83	(80 - 120)	0.24	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E11W
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Sodium	102	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E120
	105	(80 - 120)	2.5	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E121
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Vanadium	100	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E123
	108	(80 - 120)	5.6	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E124
		Dilution Factor: 1					
		Analysis Time..: 22:07					
Zinc	110	(80 - 120)			SW846 6010A	05/13-05/22/98	CGT7E126
	106	(80 - 120)	2.2	(0-20)	SW846 6010A	05/13-05/22/98	CGT7E127
		Dilution Factor: 1					
		Analysis Time..: 22:07					

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.

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.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E110000-276 **Prep Batch #...:** 8131276					
Mercury	100	(80 - 120)	SW846 7471A Dilution Factor: 1 Analysis Time..: 14:59	05/12/98	CH3G2104
LCS Lot-Sample#: H8E120000-202 **Prep Batch #...:** 8132202					
Calcium	95	(84 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10Q
Chromium	97	(87 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10R
Cobalt	92	(87 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10T
Copper	91	(86 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10U
Iron	90	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10V
Magnesium	98	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10W
Manganese	94	(89 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D10X
Aluminum	101	(89 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D11A
Antimony	91	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:40	05/13-05/22/98	CH44D11C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	96	(88 - 110)	SW846 6010A	05/13-05/22/98	CH44D11D
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Beryllium	100	(80 - 118)	SW846 6010A	05/13-05/22/98	CH44D11E
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Cadmium	97	(80 - 113)	SW846 6010A	05/13-05/22/98	CH44D11F
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Nickel	95	(88 - 115)	SW846 6010A	05/13-05/22/98	CH44D110
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Potassium	98	(83 - 113)	SW846 6010A	05/13-05/22/98	CH44D111
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Silver	83	(80 - 117)	SW846 6010A	05/13-05/22/98	CH44D112
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Sodium	100	(85 - 115)	SW846 6010A	05/13-05/22/98	CH44D113
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Vanadium	93	(89 - 113)	SW846 6010A	05/13-05/22/98	CH44D114
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Zinc	93	(89 - 118)	SW846 6010A	05/13-05/22/98	CH44D115
		Dilution Factor: 1			
		Analysis Time..: 17:40			
Arsenic	92	(83 - 110)	SW846 6010A	05/13-05/25/98	CH44D116
		Dilution Factor: 1			
		Analysis Time..: 13:57			
Lead	94	(84 - 110)	SW846 6010A	05/13-05/25/98	CH44D117
		Dilution Factor: 1			
		Analysis Time..: 13:57			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	88	(80 - 110)	SW846 6010A	05/13-05/25/98	CH44D118
		Dilution Factor: 1			
		Analysis Time..: 13:57			
Thallium	88	(83 - 110)	SW846 6010A	05/13-05/25/98	CH44D119
		Dilution Factor: 1			
		Analysis Time..: 13:57			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E150000-135 **Prep Batch #...:** 8135135					
Cobalt	101	(83 - 115)	SW846 6010A	05/15-05/22/98	CH6H210Q
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Copper	96	(82 - 116)	SW846 6010A	05/15-05/22/98	CH6H210R
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Iron	94	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H210T
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Magnesium	107	(82 - 120)	SW846 6010A	05/15-05/22/98	CH6H210U
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Manganese	102	(86 - 116)	SW846 6010A	05/15-05/22/98	CH6H210V
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Nickel	104	(83 - 120)	SW846 6010A	05/15-05/22/98	CH6H210W
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Potassium	106	(81 - 115)	SW846 6010A	05/15-05/22/98	CH6H210X
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Barium	99	(82 - 112)	SW846 6010A	05/15-05/22/98	CH6H211A
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Beryllium	108	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H211C
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Cadmium	112	(81 - 118)	SW846 6010A	05/15-05/22/98	CH6H211D
		Dilution Factor: 1			
		Analysis Time..: 17:21			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	104	(82 - 120)	SW846 6010A	05/15-05/22/98	CH6H211E
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Chromium	106	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H211F
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Silver	103	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H2110
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Sodium	103	(82 - 114)	SW846 6010A	05/15-05/22/98	CH6H2111
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Vanadium	102	(88 - 117)	SW846 6010A	05/15-05/22/98	CH6H2112
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Zinc	107	(85 - 120)	SW846 6010A	05/15-05/22/98	CH6H2113
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Arsenic	94	(82 - 110)	SW846 6010A	05/15-05/23/98	CH6H2114
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Lead	93	(81 - 111)	SW846 6010A	05/15-05/23/98	CH6H2115
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Selenium	97	(81 - 113)	SW846 6010A	05/15-05/23/98	CH6H2116
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Thallium	87	(80 - 110)	SW846 6010A	05/15-05/23/98	CH6H2117
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Aluminum	103	(83 - 117)	SW846 6010A	05/15-05/22/98	CH6H2118
		Dilution Factor: 1			
		Analysis Time..: 17:21			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB017 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	102	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H2119
		Dilution Factor: 1			
		Analysis Time..: 17:21			

LCS Lot-Sample#: H8E180000-109 **Prep Batch #...:** 8138109

Mercury	106	(80 - 120)	SW846 7470A	05/18-05/19/98	CH8AX102
		Dilution Factor: 1			
		Analysis Time..: 09:40			

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6330

General Chemistry

Lot-Sample #...: H8D300162-001 Work Order #...: CGT34 Matrix.....: SOLID
Date Sampled...: 04/28/98 Date Received..: 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	5.2	0.10	No Units	SW846 9045A	05/02/98	8124168
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	17.9	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133220
		Dilution Factor: 1				
Sulfate	47.4	12.2	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6340

General Chemistry

Lot-Sample #...: H8D300162-002 **Work Order #...:** CGT6E **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045A	05/02/98	8124168
		Dilution Factor: 1				
Nitrate as N	ND	6.4	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	22.0	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133220
		Dilution Factor: 1				
Sulfate	18.9	12.8	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6390

General Chemistry

Lot-Sample #...: H8D300162-003 **Work Order #...:** CGT6J **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.7**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**18.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	**16.5**	**12.3**	**mg/kg**	**SW846 9056**	**05/02-05/03/98**	**8128206**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6400

General Chemistry

Lot-Sample #...: H8D300162-004 **Work Order #...:** CGT6L **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133220
		Dilution Factor: 1				
Sulfate	34.1	12.3	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6410

General Chemistry

Lot-Sample #...: H8D300162-005 **Work Order #...:** CGT6T **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**17.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.1	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6411

General Chemistry

Lot-Sample #...: H8D300162-006 **Work Order #...:** CGT72 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**16.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6420

General Chemistry

Lot-Sample #...: H8D300162-007 **Work Order #...:** CGT76 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.2**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124168**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**18.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.2	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6430

General Chemistry

Lot-Sample #...: H8D300162-008 **Work Order #...:** CGT7E **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**16.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	11.9	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6440

General Chemistry

Lot-Sample #...: H8D300162-009 **Work Order #...:** CGT91 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.1**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124168**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**20.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	**54.6**	**12.5**	**mg/kg**	**SW846 9056**	**05/02-05/03/98**	**8128206**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6450

General Chemistry

Lot-Sample #...: H8D300162-010 **Work Order #...:** CGT95 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.9**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	5.7	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**12.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	11.5	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6460

General Chemistry

Lot-Sample #...: H8D300162-011 **Work Order #...:** CGT96 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.0**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.4	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**22.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	**37.5**	**12.9**	**mg/kg**	**SW846 9056**	**05/02-05/03/98**	**8128206**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6470

General Chemistry

Lot-Sample #...: H8D300162-012 **Work Order #...:** CGT9D **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.4**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Percent Moisture	**19.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.4	mg/kg	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6480

General Chemistry

Lot-Sample #...: H8D300162-013 **Work Order #...:** CGT9H **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124168**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**19.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.4	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6490

General Chemistry

Lot-Sample #...: H8D300162-014 **Work Order #...:** CGT9J **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.9**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124168**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**19.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6500

General Chemistry

Lot-Sample #...: H8D300162-015 **Work Order #...:** CGT9W **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	05/02/98	8124168
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	20.8	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133220
		Dilution Factor: 1				
Sulfate	28.0	12.6	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6510

General Chemistry

Lot-Sample #...: H8D300162-016 **Work Order #...:** CGTA0 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.5**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	5.8	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**14.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	11.7	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6520

General Chemistry

Lot-Sample #...: H8D300162-017 **Work Order #...:** CGTA1 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.7**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**18.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6530

General Chemistry

Lot-Sample #...: H8D300162-018 **Work Order #...:** CGTA5 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.7**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**18.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	ND	12.2	mg/kg	SW846 9056	05/02-05/04/98	8128206
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6540

General Chemistry

Lot-Sample #...: H8D300162-019 **Work Order #...:** CGTA7 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.6**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124168**
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128200
		Dilution Factor: 1				
Percent Moisture	**20.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133220**
		Dilution Factor: 1				
Sulfate	**59.0**	**12.6**	**mg/kg**	**SW846 9056**	**05/02-05/04/98**	**8128206**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8D300162 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH210101		MB Lot-Sample #:	B8E080000-200	
	ND	5.0	mg/kg	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1				
Sulfate		Work Order #: CH226101		MB Lot-Sample #:	B8E080000-206	
	ND	10.0	mg/kg	SW846 9056	05/02-05/03/98	8128206
		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 #...: H8D300162 **Matrix.....:** SOLID
Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#:	CGT7E12V-MS/CGT7E12W-MSD			MS Lot-Sample #:	H8D300162-008
	107	(80 - 120)			SW846 9056	05/02-05/03/98	8128200
	107	(80 - 120)	0.19	(0-20)	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1					
Sulfate		WO#:	CGT7E130-MS/CGT7E131-MSD			MS Lot-Sample #:	H8D300162-008
	103	(80 - 120)			SW846 9056	05/02-05/03/98	8128206
	103	(80 - 120)	0.19	(0-20)	SW846 9056	05/02-05/03/98	8128206
		Dilution Factor: 1					

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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8D300162 **Work Order #...:** CGT7E-SMP CGT7E-DUP **Matrix.....:** SOLID

Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8D300162-008	
	7.8	7.8	No Units	0.19	(0-20)	SW846 9045A	05/02/98	8124154

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: H8D300162 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGW33101-LCS/CGW33102-LCSD				LCS Lot-Sample#: B8E040000-154	
	100	(99 - 101)			SW846 9045A	05/02/98	8124154
	100	(99 - 101)	0.19	(0-20)	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1					
pH (solid)		WO#:CGW48101-LCS/CGW48102-LCSD				LCS Lot-Sample#: B8E040000-168	
	101	(99 - 101)			SW846 9045A	05/02/98	8124168
	100	(99 - 101)	0.27	(0-20)	SW846 9045A	05/02/98	8124168
		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 #...: H8D300162 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH210102		LCS Lot-Sample#: B8E080000-200	
	101	(89 - 110)	SW846 9056	05/02-05/03/98	8128200
		Dilution Factor: 1			
Sulfate		Work Order #: CH226102		LCS Lot-Sample#: B8E080000-206	
	106	(80 - 120)	SW846 9056	05/02-05/03/98	8128206
		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# PB017

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	PH	TOTAL	ANIONS	EXP
				8260A	8270B	8081	9045	6010A	9056	8330
1	4/30/98	H8D300162	6330	X	X	X	T	X	T	
2			6340	X	X		T	X	T	
3			6390	X	X	X	T	X	T	
4			6400	X	X		T	X	T	
5			6410	X	X	X	T	X	T	X
6			6411	X	X	X	T	X	T	X
7			6420	X	X		T	X	T	X
8			6430	QC	QC	QC	QC/T	QC	QC/T	QC
9			6440	X	X		T	X	T	X
10			6450	X	X	X	T	X	T	
11			6460	X	X		T	X	T	
12			6470	X	X	X	T	X	T	
13			6480	X	X		T	X	T	
14			6481	X	X			X		
15			6490	X	X	X	T	X	T	
16			6500	X	X		T	X	T	
17			6510	X	X	X	T	X	T	
18			6520	X	X		T	X	T	
19			6530	X	X	X	T	X	T	
20			6540	X	X		T	X	T	
21			9001	X						

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

MATRIX: SOIL
ANALYTICAL DUE: 5-22-98
REPORT DUE: 5-26-98
CLOSED?__YES__

6/4/986:41 PM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: _____

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 Blanquist DATE: 4/30/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131	✓		
b. Informed Login associates of special instructions? Soil SDG PB... (Field water QC + soils to close out SDG on 28 total TAT)			
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : _____ DATE: 4/30/98

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
9001	VOA	7a	Sample Name Does not Match
			Label + No. = 9001
			Sample Name = ... 9100...
			*Processed per RFA/COC.

☐ Client informed on _____ by _____. Person contacted: _____.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: _____ Date: 5/1/98

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: IT. Knx PROJECT: PBOW Lot No. H8D300162

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: 5/4/98

Quote# 23131

H8D300162

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042998QESK

Project Number: 773206

Samples Shipment Date: 29-APR-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.: FEDEX/801624850535

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: 2/25/98 Time: 1700	1. Received By (Signature/Affiliation) Duane Kamp	Date: 4/30/98 Time: 8:45
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Custody seals intact
received at 2°C DL 4/30/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6330	PBOW-98-SO-AA2-SB02-6330-(0001)	28-APR-98	08:00	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6330	PBOW-98-SO-AA2-SB02-6330-(0001)	28-APR-98	08:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6330	PBOW-98-SO-AA2-SB02-6330-(0001)	28-APR-98	08:00	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6330	PBOW-98-SO-AA2-SB02-6330-(0001)	28-APR-98	08:00	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6340	PBOW-98-SO-AA2-SB02-6340-(0910)	28-APR-98	08:25	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6340	PBOW-98-SO-AA2-SB02-6340-(0910)	28-APR-98	08:25	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8D300162

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6340	PBOW-98-SO-AA2-SB02-6340-(0910)	28-APR-98	08:25	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6340	PBOW-98-SO-AA2-SB02-6340-(0910)	28-APR-98	08:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6390	PBOW-98-SO-AA2-SB05-6390-(0001)	28-APR-98	09:10	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6390	PBOW-98-SO-AA2-SB05-6390-(0001)	28-APR-98	09:10	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6390	PBOW-98-SO-AA2-SB05-6390-(0001)	28-APR-98	09:10	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6390	PBOW-98-SO-AA2-SB05-6390-(0001)	28-APR-98	09:10	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6400	PBOW-98-SO-AA2-SB05-6400-(0910)	28-APR-98	09:30	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6400	PBOW-98-SO-AA2-SB05-6400-(0910)	28-APR-98	09:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6400	PBOW-98-SO-AA2-SB05-6400-(0910)	28-APR-98	09:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6400	PBOW-98-SO-AA2-SB05-6400-(0910)	28-APR-98	09:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6410	PBOW-98-SO-AA2-SB06-6410-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6410	PBOW-98-SO-AA2-SB06-6410-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6410	PBOW-98-SO-AA2-SB06-6410-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6410	PBOW-98-SO-AA2-SB06-6410-(0001)	28-APR-98	09:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6410	PBOW-98-SO-AA2-SB06-6410-(0001)	28-APR-98	09:45	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6411	PBOW-98-SO-AA2-SB06-6411-(0001)	28-APR-98	09:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6411	PBOW-98-SO-AA2-SB06-6411-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6411	PBOW-98-SO-AA2-SB06-6411-(0001)	28-APR-98	09:45	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6411	PBOW-98-SO-AA2-SB06-6411-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6411	PBOW-98-SO-AA2-SB06-6411-(0001)	28-APR-98	09:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6420	PBOW-98-SO-AA2-SB06-6420-(0910)	28-APR-98	10:00	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6420	PBOW-98-SO-AA2-SB06-6420-(0910)	28-APR-98	10:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6420	PBOW-98-SO-AA2-SB06-6420-(0910)	28-APR-98	10:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6420	PBOW-98-SO-AA2-SB06-6420-(0910)	28-APR-98	10:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6420	PBOW-98-SO-AA2-SB06-6420-(0910)	28-APR-98	10:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6430	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

H8D300162

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6430	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6430	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6430	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6430	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6430-MS	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6430-MS	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6430-MS	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6430-MS	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6430-MS	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6430-MSD	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6430-MSD	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6430-MSD	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6430-MSD	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
✓6430-MSD	PBOW-98-SO-AA2-SB07-6430-(0001)	28-APR-98	11:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6440	PBOW-98-SO-AA2-SB07-6440-(0910)	28-APR-98	11:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6440	PBOW-98-SO-AA2-SB07-6440-(0910)	28-APR-98	11:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6440	PBOW-98-SO-AA2-SB07-6440-(0910)	28-APR-98	11:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6440	PBOW-98-SO-AA2-SB07-6440-(0910)	28-APR-98	11:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
✓6440	PBOW-98-SO-AA2-SB07-6440-(0910)	28-APR-98	11:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6450	PBOW-98-SO-AA2-SB08-6450-(0001)	28-APR-98	14:50	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6450	PBOW-98-SO-AA2-SB08-6450-(0001)	28-APR-98	14:50	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6450	PBOW-98-SO-AA2-SB08-6450-(0001)	28-APR-98	14:50	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
✓6450	PBOW-98-SO-AA2-SB08-6450-(0001)	28-APR-98	14:50	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6460	PBOW-98-SO-AA2-SB08-6460-(0910)	28-APR-98	15:15	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6460	PBOW-98-SO-AA2-SB08-6460-(0910)	28-APR-98	15:15	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6460	PBOW-98-SO-AA2-SB08-6460-(0910)	28-APR-98	15:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H&D 30016

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6460	PBOW-98-SO-AA2-SB08-6460-(0910)	28-APR-98	15:15	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6470	PBOW-98-SO-AA2-SB09-6470-(0001)	28-APR-98	16:45	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6470	PBOW-98-SO-AA2-SB09-6470-(0001)	28-APR-98	16:45	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6470	PBOW-98-SO-AA2-SB09-6470-(0001)	28-APR-98	16:45	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6470	PBOW-98-SO-AA2-SB09-6470-(0001)	28-APR-98	16:45	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6480	PBOW-98-SO-AA2-SB09-6480-(0910)	28-APR-98	17:15	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6480	PBOW-98-SO-AA2-SB09-6480-(0910)	28-APR-98	17:15	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6480	PBOW-98-SO-AA2-SB09-6480-(0910)	28-APR-98	17:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6480	PBOW-98-SO-AA2-SB09-6480-(0910)	28-APR-98	17:15	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6481	PBOW-98-BW-AA2-SB09-6481-(0000)	28-APR-98	17:30	1 L HDPE	1	HNO3<PH2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
6481	PBOW-98-BW-AA2-SB09-6481-(0000)	28-APR-98	17:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
6481	PBOW-98-BW-AA2-SB09-6481-(0000)	28-APR-98	17:30	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6490	PBOW-98-SO-AA2-SB10-6490-(0001)	28-APR-98	16:10	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6490	PBOW-98-SO-AA2-SB10-6490-(0001)	28-APR-98	16:10	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6490	PBOW-98-SO-AA2-SB10-6490-(0001)	28-APR-98	16:10	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6490	PBOW-98-SO-AA2-SB10-6490-(0001)	28-APR-98	16:10	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6500	PBOW-98-SO-AA2-SB10-6500-(0910)	28-APR-98	16:25	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6500	PBOW-98-SO-AA2-SB10-6500-(0910)	28-APR-98	16:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6500	PBOW-98-SO-AA2-SB10-6500-(0910)	28-APR-98	16:25	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6500	PBOW-98-SO-AA2-SB10-6500-(0910)	28-APR-98	16:25	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6510	PBOW-98-SO-AA2-SB11-6510-(0001)	28-APR-98	15:35	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6510	PBOW-98-SO-AA2-SB11-6510-(0001)	28-APR-98	15:35	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6510	PBOW-98-SO-AA2-SB11-6510-(0001)	28-APR-98	15:35	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6510	PBOW-98-SO-AA2-SB11-6510-(0001)	28-APR-98	15:35	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6520	PBOW-98-SO-AA2-SB11-6520-(0910)	28-APR-98	15:55	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6520	PBOW-98-SO-AA2-SB11-6520-(0910)	28-APR-98	15:55	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6520	PBOW-98-SO-AA2-SB11-6520-(0910)	28-APR-98	15:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil,	N		

H8D300162

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042998QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6520	PBOW-98-SO-AA2-SB11-6520-(0910)	28-APR-98	15:55	4 oz CWM	1	None except cool to 4 C	pH by SW-846 9045B Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6530	PBOW-98-SO-AA2-SB12-6530-(0001)	28-APR-98	14:00	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6530	PBOW-98-SO-AA2-SB12-6530-(0001)	28-APR-98	14:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6530	PBOW-98-SO-AA2-SB12-6530-(0001)	28-APR-98	14:00	4 oz CWMG	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6530	PBOW-98-SO-AA2-SB12-6530-(0001)	28-APR-98	14:00	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6540	PBOW-98-SO-AA2-SB12-6540-(0910)	28-APR-98	14:35	4 oz CWMG	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6540	PBOW-98-SO-AA2-SB12-6540-(0910)	28-APR-98	14:35	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6540	PBOW-98-SO-AA2-SB12-6540-(0910)	28-APR-98	14:35	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6540	PBOW-98-SO-AA2-SB12-6540-(0910)	28-APR-98	14:35	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
9001	PBOW-98-BW-AA2-TB-9100(0000)	28-APR-98	17:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

Quanterra Incorporated
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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 766952

PBOW-Acid Areas
SDG #: PB016

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

Kimberly D Thun for
John D. Reynolds
Project Manager

June 5, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB016 : H8D290142

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGR61	001	6310	04/27/98	14:45
CGR69	002	6320	04/27/98	15:10
CGR6A	003	6350	04/27/98	15:30
CGR6C	004	6360	04/27/98	15:50
CGR6E	005	6370	04/27/98	16:10
CGR6F	006	6380	04/27/98	16:30
CGR6H	007	6550	04/27/98	12:00
CGR6K	008	6560	04/27/98	12:20
CGR6L	009	6570	04/27/98	10:50
CGR6M	010	6580	04/27/98	11:15
CGR6R	011	6590	04/27/98	14:00
CGR6W	012	6600	04/27/98	14:30

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
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SAMPLE SUMMARY

PB016 : H8E010146

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGV0T	001	6010	04/30/98	07:55
CGV0X	002	6011	04/30/98	07:55
CGV11	003	6020	04/30/98	08:30
CGV13	004	6030	04/30/98	09:00
CGV19	005	6040	04/30/98	09:30
CGV1G	006	6050	04/29/98	08:05
CGV23	007	6060	04/29/98	08:40
CGV2D	008	6070	04/29/98	12:30

NOTE(S):

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

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB016

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E010000-158	L	04/29/98	DUPLICATE CHECK
B8E040000-145	L	05/01/98	DUPLICATE CHECK
B8E040000-154	L	04/30/98	DUPLICATE CHECK
H8D290142-001		04/29/98	6310
H8D290142-002		04/29/98	6320
H8D290142-003		04/29/98	6350
H8D290142-004		04/29/98	6360
H8D290142-005		04/29/98	6370
H8D290142-006		04/29/98	6380
H8D290142-007		04/29/98	6550
H8D290142-008		04/29/98	6560
H8D290142-009		04/29/98	6570
H8D290142-010		04/29/98	6580
H8D290142-011		04/29/98	6590
H8D290142-012		04/29/98	6600
H8E010146-001		05/01/98	6010
H8E010146-002		05/01/98	6011
H8E010146-003		05/01/98	6020
H8E010146-004		05/01/98	6030
H8E010146-004	D	05/01/98	6030
H8E010146-004	S	05/01/98	6030
H8E010146-004	X	05/01/98	6030 DUP
H8E010146-005		05/01/98	6040
H8E010146-006		05/01/98	6050
H8E010146-007		05/01/98	6060
H8E010146-008		05/01/98	6070

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB016

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for samples 6370, 6380, and 6040 were outside QC limits. However, reanalysis of the sample resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

Surrogate recoveries for sample 6040 were outside QC limits. However, reanalysis of the sample resulted in acceptable results.

Semivolatiles

The concentrations of several compounds in sample 6350 exceeded the calibration level of the instrument. The sample was analyzed at the appropriate dilution to bring the concentrations of the compounds into the instrument calibration range. The results for both analyses are reported in order to provide thelowest possible reporting limits.

Explosives

The matrix spike duplicate recoveries for sample 6030 were acceptable for all analytes except 2,4-DNT. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike duplicate result is, therefore, attributed to matrix effects.

Metals

The matrix spike/matrix spike duplicate recoveries and RPDs for sample 6030 were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. 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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Quanterra Incorporated, Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Quanterra
Environmental Services

PROJECT NARRATIVE

Wet Chemistry

Samples 6310, 6320, 6350, 6360, 6370, 6380, 6550, 6560, 6570, 6580, 6590, 6600, 6050, 6060, and 6070 holding times for nitrate and pH expired during transit to Quanterra Tampa, Florida.

COMMENTS:

Pesticides/PCBs

Reporting limits for Aroclor 1254 for sample 6310, 6350, 6550 and 6560 have been elevated due to the overlapping pattern of the predominant Aroclor 1260.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6310

GC/MS Volatiles

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.4 J**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6310

GC/MS Volatiles

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

GC/MS Volatiles

Lot-Sample #...: H8D290142-002 **Work Order #...:** CGR69202 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.3 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	**2.2 J**	**6.2**	**ug/kg**
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	**3.4 J**	**6.2**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	114	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

GC/MS Volatiles

Lot-Sample #...: H8D290142-002 **Work Order #...:** CGR69202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6350

GC/MS Volatiles

Lot-Sample #...: H8D290142-003 **Work Order #...:** CGR6A202 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.8 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	111	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

GC/MS Volatiles

Lot-Sample #...: H8D290142-003 **Work Order #...:** CGR6A202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6360

GC/MS Volatiles

Lot-Sample #...: H8D290142-004 **Work Order #...:** CGR6C102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J**	**6.2**	**ug/kg**
Acetone	**32**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	**1.6 J**	**6.2**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	117	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

GC/MS Volatiles

Lot-Sample #...: H8D290142-004 **Work Order #...:** CGR6C102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Volatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.7 J**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	**1.8 J**	**6.1**	**ug/kg**
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	116	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	117	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Volatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Volatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E202 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.3 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	**1.9 J**	**6.1**	**ug/kg**
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	110	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Volatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6380

GC/MS Volatiles

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.4 J**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	**1.4 J**	**6.1**	**ug/kg**
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	118	(64 - 135)
Toluene-d8	119	(77 - 124)
4-Bromofluorobenzene	128	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

GC/MS Volatiles

Lot-Sample #...: H8D290142-006 Work Order #...: CGR6F102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

GC/MS Volatiles

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F202 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.7 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	124	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

GC/MS Volatiles

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6550

GC/MS Volatiles

Lot-Sample #...: H8D290142-007 **Work Order #...:** CGR6H102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.7 J**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

GC/MS Volatiles

Lot-Sample #...: H8D290142-007 Work Order #...: CGR6H102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

GC/MS Volatiles

Lot-Sample #...: H8D290142-008 **Work Order #...:** CGR6K102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.3 J**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

GC/MS Volatiles

Lot-Sample #...: H8D290142-008 Work Order #...: CGR6K102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

GC/MS Volatiles

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.2 J**	**5.9**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

GC/MS Volatiles

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

GC/MS Volatiles

Lot-Sample #...: H8D290142-010 **Work Order #...:** CGR6M102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	113	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

GC/MS Volatiles

Lot-Sample #...: H8D290142-010 **Work Order #...:** CGR6M102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

GC/MS Volatiles

Lot-Sample #...: H8D290142-011 **Work Order #...:** CGR6R102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.7 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	110	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

GC/MS Volatiles

Lot-Sample #...: H8D290142-011 Work Order #...: CGR6R102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6600

GC/MS Volatiles

Lot-Sample #...: H8D290142-012 **Work Order #...:** CGR6W102 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

GC/MS Volatiles

Lot-Sample #...: H8D290142-012 Work Order #...: CGR6W102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6010

GC/MS Volatiles

Lot-Sample #...: H8E010146-001 **Work Order #...:** CGV0T102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.5 B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	116	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	110	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

GC/MS Volatiles

Lot-Sample #...: H8E010146-001 Work Order #...: CGV0T102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

GC/MS Volatiles

Lot-Sample #...: H8E010146-002 **Work Order #...:** CGV0X102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**7.5 B**	**6.5**	**ug/kg**
Acetone	ND	26	ug/kg
Carbon disulfide	ND	6.5	ug/kg
1,1-Dichloroethene	ND	6.5	ug/kg
1,1-Dichloroethane	ND	6.5	ug/kg
1,2-Dichloroethene (total)	ND	6.5	ug/kg
Chloroform	ND	6.5	ug/kg
1,2-Dichloroethane	ND	6.5	ug/kg
2-Butanone	ND	26	ug/kg
1,1,1-Trichloroethane	ND	6.5	ug/kg
Carbon tetrachloride	ND	6.5	ug/kg
Bromodichloromethane	ND	6.5	ug/kg
1,2-Dichloropropane	ND	6.5	ug/kg
cis-1,3-Dichloropropene	ND	6.5	ug/kg
Trichloroethene	ND	6.5	ug/kg
Dibromochloromethane	ND	6.5	ug/kg
1,1,2-Trichloroethane	ND	6.5	ug/kg
Benzene	ND	6.5	ug/kg
trans-1,3-Dichloropropene	ND	6.5	ug/kg
Bromoform	ND	6.5	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
2-Hexanone	ND	26	ug/kg
Tetrachloroethene	ND	6.5	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg
Toluene	ND	6.5	ug/kg
Chlorobenzene	ND	6.5	ug/kg
Ethylbenzene	ND	6.5	ug/kg
Styrene	ND	6.5	ug/kg
Xylenes (total)	ND	6.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	111	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

GC/MS Volatiles

Lot-Sample #...: H8E010146-002 Work Order #...: CGV0X102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

GC/MS Volatiles

Lot-Sample #...: H8E010146-003 **Work Order #...:** CGV11202 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.7 J,B**	**6.3**	**ug/kg**
Acetone	**13 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	111	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

GC/MS Volatiles

Lot-Sample #...: H8E010146-003 Work Order #...: CGV11202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6030

GC/MS Volatiles

Lot-Sample #...: H8E010146-004 **Work Order #...:** CGV13102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**5.8 B**	**5.7**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	116	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

GC/MS Volatiles

Lot-Sample #...: H8E010146-004 Work Order #...: CGV13102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

GC/MS Volatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**10 B**	**6.3**	**ug/kg**
Acetone	**9.0 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	**1.7 J**	**6.3**	**ug/kg**
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	127	(64 - 135)
Toluene-d8	128 *	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

GC/MS Volatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19102 **Matrix.....:** SOLID

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

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: 6040

GC/MS Volatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19202 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.5 J,B**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	114	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

GC/MS Volatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6050

GC/MS Volatiles

Lot-Sample #...: H8E010146-006 **Work Order #...:** CGV1G102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.8 B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

GC/MS Volatiles

Lot-Sample #...: H8E010146-006 Work Order #...: CGV1G102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

GC/MS Volatiles

Lot-Sample #...: H8E010146-007 **Work Order #...:** CGV23202 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.5 J,B**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	121	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

GC/MS Volatiles

Lot-Sample #...: H8E010146-007 **Work Order #...:** CGV23202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6070

GC/MS Volatiles

Lot-Sample #...: H8E010146-008 **Work Order #...:** CGV2D102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.7 B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**1.8 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	121	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

GC/MS Volatiles

Lot-Sample #...: H8E010146-008 Work Order #...: CGV2D102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGVWF101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E020000-128

Prep Date.....: 05/04/98
Analysis Date..: 05/04/98 **Prep Batch #...:** 8122128
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(64 - 135)
Toluene-d8	96	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGVWF101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGVWF102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E020000-128
Prep Date.....: 05/04/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8122128
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**94**	**(67 - 137)**	**SW846 8260A**
Trichloroethene	**93**	**(68 - 126)**	**SW846 8260A**
Benzene	**94**	**(78 - 120)**	**SW846 8260A**
Toluene	**94**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**93**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(64 - 135)
Toluene-d8	100	(77 - 124)

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 #...: PB016 **Work Order #...:** CGWMX101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E050000-158

Prep Date.....: 05/05/98
Analysis Date..: 05/05/98 **Prep Batch #...:** 8125158
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**1.6 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGWMX101 **Matrix.....:** SOLID

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 #...: PB016 **Work Order #...:** CGWMX102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E050000-158
Prep Date.....: 05/05/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8125158
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**97**	**(67 - 137)**	**SW846 8260A**
Benzene	**93**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**95**	**(68 - 126)**	**SW846 8260A**
Toluene	**97**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**95**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

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 #...: PB016 **Work Order #...:** CGXG6101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-152

Prep Date.....: 05/06/98
Analysis Date..: 05/06/98 **Prep Batch #...:** 8126152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**4.9 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGXG6101 **Matrix.....:** SOLID

NOTE(S):

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGV13103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E010146-004 CGV13104-MSD
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1 **% Moisture.....:** 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**110**	**(64 - 146)**			**SW846 8260A**
	92	**(64 - 146)**	**18**	**(0-18)**	**SW846 8260A**
Trichloroethene	**104**	**(41 - 151)**			**SW846 8260A**
	97	**(41 - 151)**	**7.3**	**(0-28)**	**SW846 8260A**
Benzene	**104**	**(74 - 122)**			**SW846 8260A**
	93	**(74 - 122)**	**11**	**(0-15)**	**SW846 8260A**
Toluene	**105**	**(69 - 132)**			**SW846 8260A**
	93	**(69 - 132)**	**13**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**104**	**(67 - 121)**			**SW846 8260A**
	94	**(67 - 121)**	**9.8**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(64 - 135)
	112	(64 - 135)
Toluene-d8	103	(77 - 124)
	101	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)
	107	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB016 **Work Order #...:** CGXG6102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-152
Prep Date.....: 05/06/98 **Analysis Date..:** 05/06/98
Prep Batch #...: 8126152
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**97**	**(67 - 137)**	**SW846 8260A**
Benzene	**95**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**93**	**(68 - 126)**	**SW846 8260A**
Toluene	**84**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**92**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(64 - 135)
Toluene-d8	90	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

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: 6310

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6310

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**44 J**	**400**	**ug/kg**
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**110 J**	**400**	**ug/kg**
Pyrene	**110 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**67 J**	**400**	**ug/kg**
Chrysene	**100 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**71 J**	**400**	**ug/kg**
Benzo(k)fluoranthene	**79 J**	**400**	**ug/kg**
Benzo(a)pyrene	**72 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**38 J**	**400**	**ug/kg**
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	**41 J**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	53	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
Terphenyl-d14	88	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-002 **Work Order #...:** CGR69103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-002 **Work Order #...:** CGR69103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	**47 J**	**410**	**ug/kg**
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**51 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	93	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-003 **Work Order #...:** CGR6A103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	**120 J**	**400**	**ug/kg**
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	**60 J**	**400**	**ug/kg**
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	**70 J**	**400**	**ug/kg**
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	**800**	**400**	**ug/kg**
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	**190 J**	**400**	**ug/kg**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-003 **Work Order #...:** CGR6A103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**5800**	**400**	**ug/kg**
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	**420**	**400**	**ug/kg**
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**6800 E**	**400**	**ug/kg**
Anthracene	**1800**	**400**	**ug/kg**
Carbazole	**1500**	**400**	**ug/kg**
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**14000 E**	**400**	**ug/kg**
Pyrene	**10000 E**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**7500 E**	**400**	**ug/kg**
Chrysene	**7900 E**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**6500 E**	**400**	**ug/kg**
Benzo(k)fluoranthene	**6800 E**	**400**	**ug/kg**
Benzo(a)pyrene	**7300 E**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**2200**	**400**	**ug/kg**
Dibenz(a,h)anthracene	**1100**	**400**	**ug/kg**
Benzo(ghi)perylene	**1900**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	65	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

GC/MS Semivolatiles

Lot-Sample #...:	H8D290142-003	**Work Order #...:**	CGR6A203	**Matrix.....:**	SOLID
Date Sampled...:	04/27/98	**Date Received..:**	04/29/98		
Prep Date.....:	04/30/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8120121				
Dilution Factor:	4				
% Moisture.....:	17	**Method.....:**	SW846 8270B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenanthrene	**7100 D**	**1600**	**ug/kg**
Fluoranthene	**17000 D**	**1600**	**ug/kg**
Pyrene	**15000 D**	**1600**	**ug/kg**
Benzo(a)anthracene	**8500 D**	**1600**	**ug/kg**
Chrysene	**8300 D**	**1600**	**ug/kg**
Benzo(b)fluoranthene	**9700 D**	**1600**	**ug/kg**
Benzo(k)fluoranthene	**6300 D**	**1600**	**ug/kg**
Benzo(a)pyrene	**7300 D**	**1600**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57 DIL	(25 - 121)
Phenol-d5	58 DIL	(24 - 113)
Nitrobenzene-d5	48 DIL	(23 - 120)
2-Fluorobiphenyl	69 DIL	(30 - 115)
2,4,6-Tribromophenol	66 DIL	(19 - 122)
Terphenyl-d14	65 DIL	(20 - 138)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-004 **Work Order #...:** CGR6C103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-004 **Work Order #...:** CGR6C103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	94	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	55	(25 - 121)
Phenol-d5	58	(24 - 113)
Nitrobenzene-d5	59	(23 - 120)
2-Fluorobiphenyl	62	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	67	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**49 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	81	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-007 **Work Order #...:** CGR6H103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-007 **Work Order #...:** CGR6H103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**47 J**	**410**	**ug/kg**
Anthracene	**45 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**200 J**	**410**	**ug/kg**
Pyrene	**160 J**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	**140 J**	**2000**	**ug/kg**
Benzo(a)anthracene	**110 J**	**410**	**ug/kg**
Chrysene	**110 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**100 J**	**410**	**ug/kg**
Benzo(k)fluoranthene	**110 J**	**410**	**ug/kg**
Benzo(a)pyrene	**120 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**51 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	**43 J**	**410**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	66	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	90	(19 - 122)
Terphenyl-d14	69	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-008 **Work Order #...:** CGR6K103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-008 **Work Order #...:** CGR6K103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**71 J**	**390**	**ug/kg**
Anthracene	**57 J**	**390**	**ug/kg**
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**210 J**	**390**	**ug/kg**
Pyrene	**170 J**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**110 J**	**390**	**ug/kg**
Chrysene	**120 J**	**390**	**ug/kg**
bis(2-Ethylhexyl) phthalate	**51 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	**95 J**	**390**	**ug/kg**
Benzo(k)fluoranthene	**120 J**	**390**	**ug/kg**
Benzo(a)pyrene	**110 J**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**45 J**	**390**	**ug/kg**
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	**37 J**	**390**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	96	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/05/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	**39 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	93	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-010 **Work Order #...:** CGR6M103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-010 **Work Order #...:** CGR6M103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**58 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(25 - 121)
Phenol-d5	64	(24 - 113)
Nitrobenzene-d5	53	(23 - 120)
2-Fluorobiphenyl	69	(30 - 115)
2,4,6-Tribromophenol	80	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-011 **Work Order #...:** CGR6R103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-011 **Work Order #...:** CGR6R103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**45 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(25 - 121)
Phenol-d5	65	(24 - 113)
Nitrobenzene-d5	54	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	85	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-012 **Work Order #...:** CGR6W103 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 04/30/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8120121
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

GC/MS Semivolatiles

Lot-Sample #...: H8D290142-012 **Work Order #...:** CGR6W103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**41 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	50	(23 - 120)
2-Fluorobiphenyl	70	(30 - 115)
2,4,6-Tribromophenol	81	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-001 **Work Order #...:** CGV0T103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-001 **Work Order #...:** CGV0T103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**58 J**	**410**	**ug/kg**
Pyrene	**51 J**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	**29 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(25 - 121)
Phenol-d5	61	(24 - 113)
Nitrobenzene-d5	56	(23 - 120)
2-Fluorobiphenyl	59	(30 - 115)
2,4,6-Tribromophenol	68	(19 - 122)
Terphenyl-d14	69	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-002 **Work Order #...:** CGV0X103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	430	ug/kg
bis(2-Chloroethyl) ether	ND	430	ug/kg
2-Chlorophenol	ND	430	ug/kg
1,3-Dichlorobenzene	ND	430	ug/kg
1,4-Dichlorobenzene	ND	430	ug/kg
1,2-Dichlorobenzene	ND	430	ug/kg
2-Methylphenol	ND	430	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	430	ug/kg
4-Methylphenol	ND	430	ug/kg
N-Nitrosodi-n-propylamine	ND	430	ug/kg
Hexachloroethane	ND	430	ug/kg
Nitrobenzene	ND	430	ug/kg
Isophorone	ND	430	ug/kg
2-Nitrophenol	ND	430	ug/kg
2,4-Dimethylphenol	ND	430	ug/kg
bis(2-Chloroethoxy) methane	ND	430	ug/kg
2,4-Dichlorophenol	ND	430	ug/kg
1,2,4-Trichlorobenzene	ND	430	ug/kg
Naphthalene	ND	430	ug/kg
4-Chloroaniline	ND	430	ug/kg
Hexachlorobutadiene	ND	430	ug/kg
4-Chloro-3-methylphenol	ND	430	ug/kg
2-Methylnaphthalene	ND	430	ug/kg
Hexachlorocyclopentadiene	ND	2100	ug/kg
2,4,6-Trichlorophenol	ND	430	ug/kg
2,4,5-Trichlorophenol	ND	430	ug/kg
2-Chloronaphthalene	ND	430	ug/kg
2-Nitroaniline	ND	2100	ug/kg
Dimethyl phthalate	ND	430	ug/kg
Acenaphthylene	ND	430	ug/kg
2,6-Dinitrotoluene	ND	430	ug/kg
3-Nitroaniline	ND	2100	ug/kg
Acenaphthene	ND	430	ug/kg
2,4-Dinitrophenol	ND	2100	ug/kg
4-Nitrophenol	ND	2100	ug/kg
Dibenzofuran	ND	430	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-002 **Work Order #...:** CGV0X103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	430	ug/kg
Diethyl phthalate	ND	430	ug/kg
4-Chlorophenyl phenyl ether	ND	430	ug/kg
Fluorene	ND	430	ug/kg
4-Nitroaniline	ND	2100	ug/kg
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg
N-Nitrosodiphenylamine	ND	430	ug/kg
4-Bromophenyl phenyl ether	ND	430	ug/kg
Hexachlorobenzene	ND	430	ug/kg
Pentachlorophenol	ND	2100	ug/kg
Phenanthrene	**130 J**	**430**	**ug/kg**
Anthracene	ND	430	ug/kg
Carbazole	ND	430	ug/kg
Di-n-butyl phthalate	ND	430	ug/kg
Fluoranthene	**320 J**	**430**	**ug/kg**
Pyrene	**230 J**	**430**	**ug/kg**
Butyl benzyl phthalate	ND	430	ug/kg
3,3'-Dichlorobenzidine	ND	2100	ug/kg
Benzo(a)anthracene	**130 J**	**430**	**ug/kg**
Chrysene	**150 J**	**430**	**ug/kg**
bis(2-Ethylhexyl) phthalate	**100 J**	**430**	**ug/kg**
Di-n-octyl phthalate	ND	430	ug/kg
Benzo(b)fluoranthene	**120 J**	**430**	**ug/kg**
Benzo(k)fluoranthene	**130 J**	**430**	**ug/kg**
Benzo(a)pyrene	**110 J**	**430**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**75 J**	**430**	**ug/kg**
Dibenz(a,h)anthracene	ND	430	ug/kg
Benzo(ghi)perylene	**88 J**	**430**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	63	(19 - 122)
Terphenyl-d14	73	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-003 **Work Order #...:** CGV11103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-003 **Work Order #...:** CGV11103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	71	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-004 **Work Order #...:** CGV13105 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-004 **Work Order #...:** CGV13105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**460**	**380**	**ug/kg**
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	ND	380	ug/kg
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	ND	380	ug/kg
Pyrene	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	**39 J**	**380**	**ug/kg**
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	**21 J**	**380**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	77	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	55	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	81	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-006 **Work Order #...:** CGV1G103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-006 **Work Order #...:** CGV1G103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
2-Fluorobiphenyl	76	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-007 **Work Order #...:** CGV23103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-007 **Work Order #...:** CGV23103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	81	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-008 **Work Order #...:** CGV2D103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

GC/MS Semivolatiles

Lot-Sample #...: H8E010146-008 **Work Order #...:** CGV2D103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	59	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	97	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB016 **Work Order #...:** CGRHF101 **Matrix.....:** SOLID
MB Lot-Sample #: H8D300000-121

Prep Date.....: 04/30/98
Analysis Date..: 05/04/98 **Prep Batch #...:** 8120121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB016 **Work Order #...:** CGRHF101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	92	(19 - 122)
Terphenyl-d14	81	(20 - 138)

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 #...: PB016 **Work Order #...:** CGRHF102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8D300000-121
Prep Date.....: 04/30/98 **Analysis Date..:** 05/04/98
Prep Batch #...: 8120121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**68**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**73**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**68**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**70**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**72**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**79**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**71**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**77**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**83**	**(17 - 117)**	**SW846 8270B**
Pyrene	**89**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	82	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	86	(20 - 138)

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 #...: PB016 **Work Order #...:** CGW18101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E040000-117

Prep Date.....: 05/04/98
Analysis Date..: 05/10/98 **Prep Batch #...:** 8124117
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB016 **Work Order #...:** CGW18101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	90	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	80	(20 - 138)

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 #...: PB016 **Work Order #...:** CGV13106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E010146-004 CGV13107-MSD
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8124117
Dilution Factor: 1 **% Moisture.....:** 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**64**	**(23 - 115)**			**SW846 8270B**
	60	**(23 - 115)**	**5.8**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**72**	**(20 - 118)**			**SW846 8270B**
	68	**(20 - 118)**	**4.6**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**71**	**(16 - 116)**			**SW846 8270B**
	68	**(16 - 116)**	**4.3**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**56**	**(12 - 126)**			**SW846 8270B**
	52	**(12 - 126)**	**6.6**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**84**	**(19 - 124)**			**SW846 8270B**
	79	**(19 - 124)**	**5.9**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**70**	**(28 - 119)**			**SW846 8270B**
	64	**(28 - 119)**	**8.4**	**(0-35)**	**SW846 8270B**
Acenaphthene	**78**	**(23 - 125)**			**SW846 8270B**
	73	**(23 - 125)**	**6.3**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**44**	**(15 - 130)**			**SW846 8270B**
	44	**(15 - 130)**	**0.90**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**87**	**(26 - 122)**			**SW846 8270B**
	79	**(26 - 122)**	**7.8**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**90**	**(10 - 134)**			**SW846 8270B**
	86	**(10 - 134)**	**4.6**	**(0-53)**	**SW846 8270B**
Pyrene	**92**	**(28 - 128)**			**SW846 8270B**
	86	**(28 - 128)**	**6.7**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(25 - 121)
	58	(25 - 121)
Phenol-d5	69	(24 - 113)
	66	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
	57	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
	76	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
	76	(19 - 122)
Terphenyl-d14	93	(20 - 138)
	86	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB016 **Work Order #...:** CGW18102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E040000-117
Prep Date.....: 05/04/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8124117
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**84**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**78**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**102**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**77**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**73**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**110**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**75**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**82**	**(17 - 117)**	**SW846 8270B**
Pyrene	**80**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(25 - 121)
Phenol-d5	88	(24 - 113)
Nitrobenzene-d5	93	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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: 6310

GC Semivolatiles

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61104 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8121118
Dilution Factor: 50
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	2000	ug/kg
Aroclor 1221	ND	2000	ug/kg
Aroclor 1232	ND	2000	ug/kg
Aroclor 1242	ND	2000	ug/kg
Aroclor 1248	ND	2000	ug/kg
Aroclor 1254	ND Q	7300	ug/kg
Aroclor 1260	**20000**	**2000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

GC Semivolatiles

Lot-Sample #...:	H8D290142-003	**Work Order #...:**	CGR6A104	**Matrix.....:**	SOLID
Date Sampled...:	04/27/98	**Date Received..:**	04/29/98		
Prep Date.....:	05/01/98	**Analysis Date..:**	05/19/98		
Prep Batch #...:	8121118				
Dilution Factor:	10				
% Moisture.....:	17	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	400	ug/kg
Aroclor 1221	ND	400	ug/kg
Aroclor 1232	ND	400	ug/kg
Aroclor 1242	ND	400	ug/kg
Aroclor 1248	ND	400	ug/kg
Aroclor 1254	ND Q	2300	ug/kg
Aroclor 1260	**7800**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

GC Semivolatiles

Lot-Sample #...: H8D290142-005 **Work Order #...:** CGR6E104 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8121118
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

GC Semivolatiles

Lot-Sample #...:	H8D290142-007	**Work Order #...:**	CGR6H104	**Matrix.....:**	SOLID
Date Sampled...:	04/27/98	**Date Received..:**	04/29/98		
Prep Date.....:	05/01/98	**Analysis Date..:**	05/19/98		
Prep Batch #...:	8121118				
Dilution Factor:	20				
% Moisture.....:	19	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	820	ug/kg
Aroclor 1221	ND	820	ug/kg
Aroclor 1232	ND	820	ug/kg
Aroclor 1242	ND	820	ug/kg
Aroclor 1248	ND	820	ug/kg
Aroclor 1254	ND Q	4800	ug/kg
Aroclor 1260	**9800**	**820**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

GC Semivolatiles

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L104 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
Prep Date.....: 05/01/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8121118
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	**45**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(40 - 134)
Decachlorobiphenyl	122	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

GC Semivolatiles

Lot-Sample #...:	H8D290142-011	**Work Order #...:**	CGR6R104	**Matrix.....:**	SOLID
Date Sampled...:	04/27/98	**Date Received..:**	04/29/98		
Prep Date.....:	05/01/98	**Analysis Date..:**	05/20/98		
Prep Batch #...:	8121118				
Dilution Factor:	1				
% Moisture.....:	20	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	**47**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	107	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

GC Semivolatiles

Lot-Sample #...: H8E010146-001 **Work Order #...:** CGV0T104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	**140**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(40 - 134)
Decachlorobiphenyl	94	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

GC Semivolatiles

Lot-Sample #...: H8E010146-002 **Work Order #...:** CGV0X104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 10
% Moisture.....: 23 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	430	ug/kg
Aroclor 1221	ND	430	ug/kg
Aroclor 1232	ND	430	ug/kg
Aroclor 1242	ND	430	ug/kg
Aroclor 1248	ND	430	ug/kg
Aroclor 1254	ND	430	ug/kg
Aroclor 1260	**3400**	**430**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

GC Semivolatiles

Lot-Sample #...: H8E010146-004 **Work Order #...:** CGV13108 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(40 - 134)
Decachlorobiphenyl	106	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

GC Semivolatiles

Lot-Sample #...: H8E010146-006 **Work Order #...:** CGV1G104 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(40 - 134)
Decachlorobiphenyl	106	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

GC Semivolatiles

Lot-Sample #...: H8E010146-008 **Work Order #...:** CGV2D104 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	130	(40 - 134)
Decachlorobiphenyl	98	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H8D290142 **Work Order #...:** CGTGA101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E010000-118

Prep Date.....: 05/01/98
Analysis Date..: 05/19/98 **Prep Batch #...:** 8121118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(40 - 134)
Decachlorobiphenyl	95	(38 - 174)

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 Semivolatiles

Client Lot #...: H8D290142 **Work Order #...:** CGTGA102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E010000-118
Prep Date.....: 05/01/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8121118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**107**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**99**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(40 - 134)
Decachlorobiphenyl	120	(38 - 174)

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 #...: H8E010146 **Work Order #...:** CGW14101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E040000-112

Prep Date.....: 05/04/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8124112
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8E010146 **Work Order #...:** CGV13109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E010146-004 CGV1310A-MSD
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1 **% Moisture.....:** 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**111**	**(52 - 144)**			**SW846 8081**
	112	**(52 - 144)**	**0.42**	**(0-25)**	**SW846 8081**
Aroclor 1260	**106**	**(45 - 143)**			**SW846 8081**
	109	**(45 - 143)**	**2.0**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	111	(40 - 134)
	104	(40 - 134)
Decachlorobiphenyl	122	(38 - 174)
	128	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8E010146 **Work Order #...:** CGW14102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E040000-112
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**89**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(40 - 134)
Decachlorobiphenyl	107	(38 - 174)

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: 6010

HPLC

Lot-Sample #...: H8E010146-001 **Work Order #...:** CGV0T105 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

HPLC

Lot-Sample #...: H8E010146-002 **Work Order #...:** CGV0X105 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

HPLC

Lot-Sample #...: H8E010146-003 **Work Order #...:** CGV11104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

HPLC

Lot-Sample #...: H8E010146-004 **Work Order #...:** CGV1310C **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	**0.81**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**2.5**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	**0.30**	**0.25**	**mg/kg**
2,4,6-Trinitrotoluene	**0.32**	**0.25**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

HPLC

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(72 - 129)

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E010146 **Work Order #...:** CH533101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-225

Prep Date.....: 05/13/98
Analysis Date..: 05/22/98 **Prep Batch #...:** 8133225
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
2,6-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
Nitrobenzene	ND	0.25	mg/kg	SW846 8330
1,3,5-Trinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4,6-Trinitrotoluene	ND	0.25	mg/kg	SW846 8330
HMX	ND	0.50	mg/kg	SW846 8330
RDX	ND	0.50	mg/kg	SW846 8330
Tetryl	ND	0.65	mg/kg	SW846 8330
2-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
3-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.25	mg/kg	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E010146 **Work Order #...:** CGV1310D-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E010146-004 CGV1310E-MSD
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1 **% Moisture.....:** 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	**95**	**(76 - 120)**			**SW846 8330**
	88	**(76 - 120)**	**6.4**	**(0-15)**	**SW846 8330**
4-Nitrotoluene	**99**	**(76 - 122)**			**SW846 8330**
	94	**(76 - 122)**	**4.6**	**(0-25)**	**SW846 8330**
HMX	**78**	**(48 - 125)**			**SW846 8330**
	76	**(48 - 125)**	**1.9**	**(0-15)**	**SW846 8330**
RDX	**94**	**(61 - 127)**			**SW846 8330**
	92	**(61 - 127)**	**1.7**	**(0-15)**	**SW846 8330**
1,3,5-Trinitrobenzene	**101**	**(74 - 126)**			**SW846 8330**
	96	**(74 - 126)**	**4.6**	**(0-15)**	**SW846 8330**
1,3-Dinitrobenzene	**99**	**(71 - 126)**			**SW846 8330**
	97	**(71 - 126)**	**2.2**	**(0-15)**	**SW846 8330**
Tetryl	**93**	**(32 - 143)**			**SW846 8330**
	88	**(32 - 143)**	**5.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**99**	**(76 - 122)**			**SW846 8330**
	95	**(76 - 122)**	**3.9**	**(0-15)**	**SW846 8330**
2,4,6-Trinitrotoluene	**91**	**(69 - 132)**			**SW846 8330**
	84	**(69 - 132)**	**6.8**	**(0-15)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**88**	**(67 - 127)**			**SW846 8330**
	77	**(67 - 127)**	**10**	**(0-15)**	**SW846 8330**
2,6-Dinitrotoluene	**111**	**(75 - 122)**			**SW846 8330**
	104	**(75 - 122)**	**6.5**	**(0-15)**	**SW846 8330**
2,4-Dinitrotoluene	**91**	**(75 - 124)**			**SW846 8330**
	72 a	**(75 - 124)**	**11**	**(0-15)**	**SW846 8330**
2-Nitrotoluene	**102**	**(77 - 125)**			**SW846 8330**
	100	**(77 - 125)**	**2.0**	**(0-15)**	**SW846 8330**
3-Nitrotoluene	**98**	**(76 - 121)**			**SW846 8330**
	94	**(76 - 121)**	**3.2**	**(0-15)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(72 - 129)
	95	(72 - 129)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E010146 **Work Order #...:** CH533102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-225
Prep Date.....: 05/13/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8133225
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**79**	**(65 - 117)**	**SW846 8330**
RDX	**89**	**(75 - 124)**	**SW846 8330**
1,3,5-Trinitrobenzene	**106**	**(78 - 124)**	**SW846 8330**
1,3-Dinitrobenzene	**101**	**(75 - 123)**	**SW846 8330**
Tetryl	**99**	**(40 - 125)**	**SW846 8330**
Nitrobenzene	**100**	**(76 - 122)**	**SW846 8330**
2,4,6-Trinitrotoluene	**97**	**(71 - 132)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**113**	**(75 - 127)**	**SW846 8330**
2,6-Dinitrotoluene	**107**	**(75 - 122)**	**SW846 8330**
2,4-Dinitrotoluene	**102**	**(75 - 124)**	**SW846 8330**
2-Nitrotoluene	**104**	**(77 - 125)**	**SW846 8330**
3-Nitrotoluene	**103**	**(78 - 121)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**99**	**(76 - 120)**	**SW846 8330**
4-Nitrotoluene	**102**	**(76 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(72 - 129)

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: 6310

TOTAL Metals

Lot-Sample #...: H8D290142-001 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGR6110V
		Dilution Factor: 1		Analysis Time..: 13:55		
Prep Batch #...: 8132200						
Aluminum	**9320**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR61105**
		Dilution Factor: 1		Analysis Time..: 18:50		
Arsenic	**7.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6110Q**
		Dilution Factor: 1		Analysis Time..: 15:26		
Lead	**143**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6110R**
		Dilution Factor: 1		Analysis Time..: 15:26		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR61106
		Dilution Factor: 1		Analysis Time..: 18:50		
Barium	**84.4**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR61107**
		Dilution Factor: 1		Analysis Time..: 18:50		
Selenium	**0.66**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6110T**
		Dilution Factor: 1		Analysis Time..: 15:26		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGR61108
		Dilution Factor: 1		Analysis Time..: 18:50		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6110U
		Dilution Factor: 1		Analysis Time..: 15:26		
Cadmium	**0.62**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR61109**
		Dilution Factor: 1		Analysis Time..: 18:50		
Calcium	**7440**	**600**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6110A**
		Dilution Factor: 1		Analysis Time..: 18:50		
Chromium	**20.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6110C**
		Dilution Factor: 1		Analysis Time..: 18:50		
Cobalt	**10.6**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6110D**
		Dilution Factor: 1		Analysis Time..: 18:50		
Copper	**19.6**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6110E**
		Dilution Factor: 1		Analysis Time..: 18:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6310

TOTAL Metals

Lot-Sample #...: H8D290142-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20000	12.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110F
		Dilution Factor: 1		Analysis Time..: 18:50		
Magnesium	3280	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110G
		Dilution Factor: 1		Analysis Time..: 18:50		
Manganese	488	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110H
		Dilution Factor: 1		Analysis Time..: 18:50		
Nickel	22.7	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110J
		Dilution Factor: 1		Analysis Time..: 18:50		
Potassium	1450	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110K
		Dilution Factor: 1		Analysis Time..: 18:50		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110L
		Dilution Factor: 1		Analysis Time..: 18:50		
Sodium	ND	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110M
		Dilution Factor: 1		Analysis Time..: 18:50		
Vanadium	23.1	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110N
		Dilution Factor: 1		Analysis Time..: 18:50		
Zinc	252	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6110P
		Dilution Factor: 1		Analysis Time..: 18:50		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

TOTAL Metals

Lot-Sample #...: H8D290142-002 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGR6910V
		Dilution Factor: 1		Analysis Time..: 13:57		
Prep Batch #...: 8132200						
Aluminum	**9550**	**25.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR69105**
		Dilution Factor: 1		Analysis Time..: 18:55		
Arsenic	**6.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6910Q**
		Dilution Factor: 1		Analysis Time..: 15:45		
Lead	**8.0**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6910R**
		Dilution Factor: 1		Analysis Time..: 15:45		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR69106
		Dilution Factor: 1		Analysis Time..: 18:55		
Barium	**57.4**	**25.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR69107**
		Dilution Factor: 1		Analysis Time..: 18:55		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGR6910T
		Dilution Factor: 1		Analysis Time..: 15:45		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR69108
		Dilution Factor: 1		Analysis Time..: 18:55		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6910U
		Dilution Factor: 1		Analysis Time..: 15:45		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR69109
		Dilution Factor: 1		Analysis Time..: 18:55		
Calcium	**47900**	**624**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6910A**
		Dilution Factor: 1		Analysis Time..: 18:55		
Chromium	**13.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6910C**
		Dilution Factor: 1		Analysis Time..: 18:55		
Cobalt	**12.5**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6910D**
		Dilution Factor: 1		Analysis Time..: 18:55		
Copper	**21.6**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6910E**
		Dilution Factor: 1		Analysis Time..: 18:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

TOTAL Metals

Lot-Sample #...: H8D290142-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21300	12.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910F
		Dilution Factor: 1		Analysis Time..: 18:55		
Magnesium	15200	624	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910G
		Dilution Factor: 1		Analysis Time..: 18:55		
Manganese	889	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910H
		Dilution Factor: 1		Analysis Time..: 18:55		
Nickel	24.4	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910J
		Dilution Factor: 1		Analysis Time..: 18:55		
Potassium	2160	624	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910K
		Dilution Factor: 1		Analysis Time..: 18:55		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910L
		Dilution Factor: 1		Analysis Time..: 18:55		
Sodium	ND	624	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910M
		Dilution Factor: 1		Analysis Time..: 18:55		
Vanadium	26.5	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910N
		Dilution Factor: 1		Analysis Time..: 18:55		
Zinc	58.1	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6910P
		Dilution Factor: 1		Analysis Time..: 18:55		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

TOTAL Metals

Lot-Sample #...: H8D290142-003 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	0.069	0.040	mg/kg	SW846 7471A	05/12/98	CGR6A10V
		Dilution Factor: 1		Analysis Time..: 14:00		
Prep Batch #...: 8132200						
Aluminum	4230	24.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A105
		Dilution Factor: 1		Analysis Time..: 19:00		
Arsenic	19.3	12.0	mg/kg	SW846 6010A	05/13-05/25/98	CGR6A10Q
		Dilution Factor: 10		Analysis Time..: 15:51		
Lead	7410	3.6	mg/kg	SW846 6010A	05/13-05/25/98	CGR6A10R
		Dilution Factor: 10		Analysis Time..: 15:51		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A106
		Dilution Factor: 1		Analysis Time..: 19:00		
Barium	188	24.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A107
		Dilution Factor: 1		Analysis Time..: 19:00		
Selenium	ND	6.0	mg/kg	SW846 6010A	05/13-05/25/98	CGR6A10T
		Dilution Factor: 10		Analysis Time..: 15:51		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A108
		Dilution Factor: 1		Analysis Time..: 19:00		
Thallium	ND	12.0	mg/kg	SW846 6010A	05/13-05/25/98	CGR6A10U
		Dilution Factor: 10		Analysis Time..: 15:51		
Cadmium	1.3	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A109
		Dilution Factor: 1		Analysis Time..: 19:00		
Calcium	104000	1200	mg/kg	SW846 6010A	05/13-05/23/98	CGR6A10A
		Dilution Factor: 2		Analysis Time..: 20:23		
Chromium	14.6	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10C
		Dilution Factor: 1		Analysis Time..: 19:00		
Cobalt	7.7	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10D
		Dilution Factor: 1		Analysis Time..: 19:00		
Copper	70.4	3.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10E
		Dilution Factor: 1		Analysis Time..: 19:00		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

TOTAL Metals

Lot-Sample #...: H8D290142-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	36100	12.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10F
		Dilution Factor: 1		Analysis Time..: 19:00		
Magnesium	9770	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10G
		Dilution Factor: 1		Analysis Time..: 19:00		
Manganese	1010	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10H
		Dilution Factor: 1		Analysis Time..: 19:00		
Nickel	21.8	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10J
		Dilution Factor: 1		Analysis Time..: 19:00		
Potassium	744	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10K
		Dilution Factor: 1		Analysis Time..: 19:00		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10L
		Dilution Factor: 1		Analysis Time..: 19:00		
Sodium	ND	600	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10M
		Dilution Factor: 1		Analysis Time..: 19:00		
Vanadium	32.7	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10N
		Dilution Factor: 1		Analysis Time..: 19:00		
Zinc	336	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6A10P
		Dilution Factor: 1		Analysis Time..: 19:00		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

TOTAL Metals

Lot-Sample #...: H8D290142-004 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGR6C10V
		Dilution Factor: 1		Analysis Time..: 14:02		
Prep Batch #...: 8132200						
Aluminum	**10900**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C105**
		Dilution Factor: 1		Analysis Time..: 19:04		
Arsenic	**10.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6C10Q**
		Dilution Factor: 1		Analysis Time..: 15:56		
Lead	**10.5**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6C10R**
		Dilution Factor: 1		Analysis Time..: 15:56		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C106
		Dilution Factor: 1		Analysis Time..: 19:04		
Barium	**65.1**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C107**
		Dilution Factor: 1		Analysis Time..: 19:04		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGR6C10T
		Dilution Factor: 1		Analysis Time..: 15:56		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C108
		Dilution Factor: 1		Analysis Time..: 19:04		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6C10U
		Dilution Factor: 1		Analysis Time..: 15:56		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C109
		Dilution Factor: 1		Analysis Time..: 19:04		
Calcium	**57200**	**619**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C10A**
		Dilution Factor: 1		Analysis Time..: 19:04		
Chromium	**16.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C10C**
		Dilution Factor: 1		Analysis Time..: 19:04		
Cobalt	**11.0**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C10D**
		Dilution Factor: 1		Analysis Time..: 19:04		
Copper	**23.0**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6C10E**
		Dilution Factor: 1		Analysis Time..: 19:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

TOTAL Metals

Lot-Sample #...: H8D290142-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21400	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10F
		Dilution Factor: 1		Analysis Time..: 19:04		
Magnesium	16800	619	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10G
		Dilution Factor: 1		Analysis Time..: 19:04		
Manganese	479	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10H
		Dilution Factor: 1		Analysis Time..: 19:04		
Nickel	27.8	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10J
		Dilution Factor: 1		Analysis Time..: 19:04		
Potassium	2300	619	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10K
		Dilution Factor: 1		Analysis Time..: 19:04		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10L
		Dilution Factor: 1		Analysis Time..: 19:04		
Sodium	ND	619	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10M
		Dilution Factor: 1		Analysis Time..: 19:04		
Vanadium	26.1	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10N
		Dilution Factor: 1		Analysis Time..: 19:04		
Zinc	68.0	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6C10P
		Dilution Factor: 1		Analysis Time..: 19:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

TOTAL Metals

Lot-Sample #...: H8D290142-005 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGR6E10V
		Dilution Factor: 1		Analysis Time..: 14:04		
Prep Batch #...: 8132200						
Aluminum	**10900**	**24.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E105**
		Dilution Factor: 1		Analysis Time..: 19:09		
Arsenic	**8.3**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6E10Q**
		Dilution Factor: 1		Analysis Time..: 16:02		
Lead	**8.1**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6E10R**
		Dilution Factor: 1		Analysis Time..: 16:02		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E106
		Dilution Factor: 1		Analysis Time..: 19:09		
Barium	**54.0**	**24.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E107**
		Dilution Factor: 1		Analysis Time..: 19:09		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGR6E10T
		Dilution Factor: 1		Analysis Time..: 16:02		
Beryllium	**0.61**	**0.61**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E108**
		Dilution Factor: 1		Analysis Time..: 19:09		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6E10U
		Dilution Factor: 1		Analysis Time..: 16:02		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E109
		Dilution Factor: 1		Analysis Time..: 19:09		
Calcium	**1870**	**607**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E10A**
		Dilution Factor: 1		Analysis Time..: 19:09		
Chromium	**16.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E10C**
		Dilution Factor: 1		Analysis Time..: 19:09		
Cobalt	**11.2**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E10D**
		Dilution Factor: 1		Analysis Time..: 19:09		
Copper	**21.0**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6E10E**
		Dilution Factor: 1		Analysis Time..: 19:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

TOTAL Metals

Lot-Sample #...: H8D290142-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	22200	12.1	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10F
		Dilution Factor: 1		Analysis Time..: 19:09		
Magnesium	2730	607	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10G
		Dilution Factor: 1		Analysis Time..: 19:09		
Manganese	170	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10H
		Dilution Factor: 1		Analysis Time..: 19:09		
Nickel	24.9	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10J
		Dilution Factor: 1		Analysis Time..: 19:09		
Potassium	1190	607	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10K
		Dilution Factor: 1		Analysis Time..: 19:09		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10L
		Dilution Factor: 1		Analysis Time..: 19:09		
Sodium	ND	607	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10M
		Dilution Factor: 1		Analysis Time..: 19:09		
Vanadium	23.3	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10N
		Dilution Factor: 1		Analysis Time..: 19:09		
Zinc	60.1	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6E10P
		Dilution Factor: 1		Analysis Time..: 19:09		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

TOTAL Metals

Lot-Sample #...: H8D290142-006 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGR6F10V
		Dilution Factor: 1		Analysis Time..: 14:07		
Prep Batch #...: 8132200						
Aluminum	**12700**	**24.5**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F105**
		Dilution Factor: 1		Analysis Time..: 19:24		
Arsenic	**9.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6F10Q**
		Dilution Factor: 1		Analysis Time..: 16:07		
Lead	**12.5**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6F10R**
		Dilution Factor: 1		Analysis Time..: 16:07		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F106
		Dilution Factor: 1		Analysis Time..: 19:24		
Barium	**69.2**	**24.5**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F107**
		Dilution Factor: 1		Analysis Time..: 19:24		
Selenium	**1.5**	**0.61**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6F10T**
		Dilution Factor: 1		Analysis Time..: 16:07		
Beryllium	**0.70**	**0.61**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F108**
		Dilution Factor: 1		Analysis Time..: 19:24		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6F10U
		Dilution Factor: 1		Analysis Time..: 16:07		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F109
		Dilution Factor: 1		Analysis Time..: 19:24		
Calcium	**44600**	**612**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F10A**
		Dilution Factor: 1		Analysis Time..: 19:24		
Chromium	**19.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F10C**
		Dilution Factor: 1		Analysis Time..: 19:24		
Cobalt	**12.9**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F10D**
		Dilution Factor: 1		Analysis Time..: 19:24		
Copper	**27.3**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6F10E**
		Dilution Factor: 1		Analysis Time..: 19:24		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

TOTAL Metals

Lot-Sample #...: H8D290142-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	24100	12.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10F
		Dilution Factor: 1		Analysis Time..: 19:24		
Magnesium	18800	612	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10G
		Dilution Factor: 1		Analysis Time..: 19:24		
Manganese	299	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10H
		Dilution Factor: 1		Analysis Time..: 19:24		
Nickel	32.9	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10J
		Dilution Factor: 1		Analysis Time..: 19:24		
Potassium	2890	612	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10K
		Dilution Factor: 1		Analysis Time..: 19:24		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10L
		Dilution Factor: 1		Analysis Time..: 19:24		
Sodium	ND	612	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10M
		Dilution Factor: 1		Analysis Time..: 19:24		
Vanadium	33.4	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10N
		Dilution Factor: 1		Analysis Time..: 19:24		
Zinc	71.7	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6F10P
		Dilution Factor: 1		Analysis Time..: 19:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

TOTAL Metals

Lot-Sample #...: H8D290142-007 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #.
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGR6H10V
		Dilution Factor: 1		Analysis Time..: 14:09		
Prep Batch #...: 8132200						
Aluminum	**6740**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H105**
		Dilution Factor: 1		Analysis Time..: 19:29		
Arsenic	**4.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6H10Q**
		Dilution Factor: 1		Analysis Time..: 16:13		
Lead	**28.8**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6H10R**
		Dilution Factor: 1		Analysis Time..: 16:13		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H106
		Dilution Factor: 1		Analysis Time..: 19:29		
Barium	**44.6**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H107**
		Dilution Factor: 1		Analysis Time..: 19:29		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGR6H10T
		Dilution Factor: 1		Analysis Time..: 16:13		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H108
		Dilution Factor: 1		Analysis Time..: 19:29		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6H10U
		Dilution Factor: 1		Analysis Time..: 16:13		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H109
		Dilution Factor: 1		Analysis Time..: 19:29		
Calcium	**7890**	**618**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H10A**
		Dilution Factor: 1		Analysis Time..: 19:29		
Chromium	**10.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H10C**
		Dilution Factor: 1		Analysis Time..: 19:29		
Cobalt	**6.4**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H10D**
		Dilution Factor: 1		Analysis Time..: 19:29		
Copper	**8.6**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6H10E**
		Dilution Factor: 1		Analysis Time..: 19:29		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

TOTAL Metals

Lot-Sample #...: H8D290142-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	12700	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10F
		Dilution Factor: 1		Analysis Time..: 19:29		
Magnesium	2070	618	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10G
		Dilution Factor: 1		Analysis Time..: 19:29		
Manganese	214	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10H
		Dilution Factor: 1		Analysis Time..: 19:29		
Nickel	11.4	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10J
		Dilution Factor: 1		Analysis Time..: 19:29		
Potassium	ND	618	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10K
		Dilution Factor: 1		Analysis Time..: 19:29		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10L
		Dilution Factor: 1		Analysis Time..: 19:29		
Sodium	ND	618	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10M
		Dilution Factor: 1		Analysis Time..: 19:29		
Vanadium	18.8	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10N
		Dilution Factor: 1		Analysis Time..: 19:29		
Zinc	66.5	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6H10P
		Dilution Factor: 1		Analysis Time..: 19:29		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

TOTAL Metals

Lot-Sample #...: H8D290142-008 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12/98	CGR6K10V
		Dilution Factor: 1		Analysis Time..: 14:11		
Prep Batch #...: 8132200						
Aluminum	**8590**	**23.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K105**
		Dilution Factor: 1		Analysis Time..: 19:34		
Arsenic	**7.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6K10Q**
		Dilution Factor: 1		Analysis Time..: 16:19		
Lead	**113**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6K10R**
		Dilution Factor: 1		Analysis Time..: 16:19		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K106
		Dilution Factor: 1		Analysis Time..: 19:34		
Barium	**89.2**	**23.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K107**
		Dilution Factor: 1		Analysis Time..: 19:34		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-05/25/98	CGR6K10T
		Dilution Factor: 1		Analysis Time..: 16:19		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K108
		Dilution Factor: 1		Analysis Time..: 19:34		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6K10U
		Dilution Factor: 1		Analysis Time..: 16:19		
Cadmium	**0.77**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K109**
		Dilution Factor: 1		Analysis Time..: 19:34		
Calcium	**25200**	**596**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K10A**
		Dilution Factor: 1		Analysis Time..: 19:34		
Chromium	**19.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K10C**
		Dilution Factor: 1		Analysis Time..: 19:34		
Cobalt	**9.5**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K10D**
		Dilution Factor: 1		Analysis Time..: 19:34		
Copper	**17.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6K10E**
		Dilution Factor: 1		Analysis Time..: 19:34		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

TOTAL Metals

Lot-Sample #...: H8D290142-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19600	11.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10F
		Dilution Factor: 1		Analysis Time..: 19:34		
Magnesium	5340	596	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10G
		Dilution Factor: 1		Analysis Time..: 19:34		
Manganese	415	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10H
		Dilution Factor: 1		Analysis Time..: 19:34		
Nickel	20.6	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10J
		Dilution Factor: 1		Analysis Time..: 19:34		
Potassium	1120	596	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10K
		Dilution Factor: 1		Analysis Time..: 19:34		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10L
		Dilution Factor: 1		Analysis Time..: 19:34		
Sodium	ND	596	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10M
		Dilution Factor: 1		Analysis Time..: 19:34		
Vanadium	21.4	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10N
		Dilution Factor: 1		Analysis Time..: 19:34		
Zinc	304	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6K10P
		Dilution Factor: 1		Analysis Time..: 19:34		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

TOTAL Metals

Lot-Sample #...: H8D290142-009 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12/98	CGR6L10V
		Dilution Factor: 1		Analysis Time..: 14:18		
Prep Batch #...: 8132200						
Aluminum	**7880**	**23.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L105**
		Dilution Factor: 1		Analysis Time..: 19:40		
Arsenic	**3.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6L10Q**
		Dilution Factor: 1		Analysis Time..: 16:24		
Lead	**5.8**	**0.35**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6L10R**
		Dilution Factor: 1		Analysis Time..: 16:24		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L106
		Dilution Factor: 1		Analysis Time..: 19:40		
Barium	**43.1**	**23.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L107**
		Dilution Factor: 1		Analysis Time..: 19:40		
Selenium	**0.61**	**0.59**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6L10T**
		Dilution Factor: 1		Analysis Time..: 16:24		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L108
		Dilution Factor: 1		Analysis Time..: 19:40		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6L10U
		Dilution Factor: 1		Analysis Time..: 16:24		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L109
		Dilution Factor: 1		Analysis Time..: 19:40		
Calcium	**1950**	**586**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10A**
		Dilution Factor: 1		Analysis Time..: 19:40		
Chromium	**11.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10C**
		Dilution Factor: 1		Analysis Time..: 19:40		
Cobalt	**6.2**	**5.9**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10D**
		Dilution Factor: 1		Analysis Time..: 19:40		
Copper	**6.4**	**2.9**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10E**
		Dilution Factor: 1		Analysis Time..: 19:40		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

TOTAL Metals

Lot-Sample #...: H8D290142-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**13800**	**11.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10F**
		Dilution Factor: 1		Analysis Time..: 19:40		
Magnesium	**1590**	**586**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10G**
		Dilution Factor: 1		Analysis Time..: 19:40		
Manganese	**118**	**1.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10H**
		Dilution Factor: 1		Analysis Time..: 19:40		
Nickel	**10.2**	**4.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10J**
		Dilution Factor: 1		Analysis Time..: 19:40		
Potassium	ND	586	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L10K
		Dilution Factor: 1		Analysis Time..: 19:40		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L10L
		Dilution Factor: 1		Analysis Time..: 19:40		
Sodium	ND	586	mg/kg	SW846 6010A	05/13-05/22/98	CGR6L10M
		Dilution Factor: 1		Analysis Time..: 19:40		
Vanadium	**19.9**	**5.9**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10N**
		Dilution Factor: 1		Analysis Time..: 19:40		
Zinc	**31.7**	**2.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6L10P**
		Dilution Factor: 1		Analysis Time..: 19:40		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

TOTAL Metals

Lot-Sample #...: H8D290142-010 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGR6M10V
		Dilution Factor: 1		Analysis Time..: 14:21		
Prep Batch #...: 8132200						
Aluminum	**13200**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M105**
		Dilution Factor: 1		Analysis Time..: 19:46		
Arsenic	**16.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6M10Q**
		Dilution Factor: 1		Analysis Time..: 16:30		
Lead	**11.7**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6M10R**
		Dilution Factor: 1		Analysis Time..: 16:30		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M106
		Dilution Factor: 1		Analysis Time..: 19:46		
Barium	**61.9**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M107**
		Dilution Factor: 1		Analysis Time..: 19:46		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGR6M10T
		Dilution Factor: 1		Analysis Time..: 16:30		
Beryllium	**0.70**	**0.62**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M108**
		Dilution Factor: 1		Analysis Time..: 19:46		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6M10U
		Dilution Factor: 1		Analysis Time..: 16:30		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M109
		Dilution Factor: 1		Analysis Time..: 19:46		
Calcium	**56700**	**620**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M10A**
		Dilution Factor: 1		Analysis Time..: 19:46		
Chromium	**18.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M10C**
		Dilution Factor: 1		Analysis Time..: 19:46		
Cobalt	**14.6**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M10D**
		Dilution Factor: 1		Analysis Time..: 19:46		
Copper	**27.5**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6M10E**
		Dilution Factor: 1		Analysis Time..: 19:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

TOTAL Metals

Lot-Sample #...: H8D290142-010 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	25200	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10F
		Dilution Factor: 1		Analysis Time..: 19:46		
Magnesium	16700	620	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10G
		Dilution Factor: 1		Analysis Time..: 19:46		
Manganese	373	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10H
		Dilution Factor: 1		Analysis Time..: 19:46		
Nickel	27.3	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10J
		Dilution Factor: 1		Analysis Time..: 19:46		
Potassium	2730	620	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10K
		Dilution Factor: 1		Analysis Time..: 19:46		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10L
		Dilution Factor: 1		Analysis Time..: 19:46		
Sodium	ND	620	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10M
		Dilution Factor: 1		Analysis Time..: 19:46		
Vanadium	34.7	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10N
		Dilution Factor: 1		Analysis Time..: 19:46		
Zinc	69.0	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6M10P
		Dilution Factor: 1		Analysis Time..: 19:46		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

TOTAL Metals

Lot-Sample #...: H8D290142-011 Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGR6R10V
		Dilution Factor: 1		Analysis Time..: 14:23		
Prep Batch #...: 8132200						
Aluminum	**12500**	**24.9**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R105**
		Dilution Factor: 1		Analysis Time..: 19:51		
Arsenic	**6.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6R10Q**
		Dilution Factor: 1		Analysis Time..: 16:35		
Lead	**9.1**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6R10R**
		Dilution Factor: 1		Analysis Time..: 16:35		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R106
		Dilution Factor: 1		Analysis Time..: 19:51		
Barium	**83.1**	**24.9**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R107**
		Dilution Factor: 1		Analysis Time..: 19:51		
Selenium	**0.82**	**0.62**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6R10T**
		Dilution Factor: 1		Analysis Time..: 16:35		
Beryllium	**0.64**	**0.62**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R108**
		Dilution Factor: 1		Analysis Time..: 19:51		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6R10U
		Dilution Factor: 1		Analysis Time..: 16:35		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R109
		Dilution Factor: 1		Analysis Time..: 19:51		
Calcium	**4580**	**622**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R10A**
		Dilution Factor: 1		Analysis Time..: 19:51		
Chromium	**17.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R10C**
		Dilution Factor: 1		Analysis Time..: 19:51		
Cobalt	**10.1**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R10D**
		Dilution Factor: 1		Analysis Time..: 19:51		
Copper	**19.2**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6R10E**
		Dilution Factor: 1		Analysis Time..: 19:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

TOTAL Metals

Lot-Sample #...: H8D290142-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21700	12.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10F
		Dilution Factor: 1		Analysis Time..: 19:51		
Magnesium	2990	622	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10G
		Dilution Factor: 1		Analysis Time..: 19:51		
Manganese	211	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10H
		Dilution Factor: 1		Analysis Time..: 19:51		
Nickel	19.0	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10J
		Dilution Factor: 1		Analysis Time..: 19:51		
Potassium	1200	622	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10K
		Dilution Factor: 1		Analysis Time..: 19:51		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10L
		Dilution Factor: 1		Analysis Time..: 19:51		
Sodium	ND	622	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10M
		Dilution Factor: 1		Analysis Time..: 19:51		
Vanadium	24.5	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10N
		Dilution Factor: 1		Analysis Time..: 19:51		
Zinc	72.3	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGR6R10P
		Dilution Factor: 1		Analysis Time..: 19:51		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

TOTAL Metals

Lot-Sample #...: H8D290142-012 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGR6W10V
		Dilution Factor: 1		Analysis Time..: 14:25		
Prep Batch #...: 8132200						
Aluminum	**9230**	**24.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W105**
		Dilution Factor: 1		Analysis Time..: 19:56		
Arsenic	**7.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6W10Q**
		Dilution Factor: 1		Analysis Time..: 16:52		
Lead	**7.9**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGR6W10R**
		Dilution Factor: 1		Analysis Time..: 16:52		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W106
		Dilution Factor: 1		Analysis Time..: 19:56		
Barium	**51.0**	**24.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W107**
		Dilution Factor: 1		Analysis Time..: 19:56		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-05/25/98	CGR6W10T
		Dilution Factor: 1		Analysis Time..: 16:52		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W108
		Dilution Factor: 1		Analysis Time..: 19:56		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGR6W10U
		Dilution Factor: 1		Analysis Time..: 16:52		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W109
		Dilution Factor: 1		Analysis Time..: 19:56		
Calcium	**24000**	**611**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W10A**
		Dilution Factor: 1		Analysis Time..: 19:56		
Chromium	**14.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W10C**
		Dilution Factor: 1		Analysis Time..: 19:56		
Cobalt	**9.6**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W10D**
		Dilution Factor: 1		Analysis Time..: 19:56		
Copper	**17.7**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGR6W10E**
		Dilution Factor: 1		Analysis Time..: 19:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

TOTAL Metals

Lot-Sample #...: H8D290142-012 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19100	12.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10F
		Dilution Factor: 1		Analysis Time..: 19:56		
Magnesium	12500	611	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10G
		Dilution Factor: 1		Analysis Time..: 19:56		
Manganese	285	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10H
		Dilution Factor: 1		Analysis Time..: 19:56		
Nickel	20.4	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10J
		Dilution Factor: 1		Analysis Time..: 19:56		
Potassium	1150	611	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10K
		Dilution Factor: 1		Analysis Time..: 19:56		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10L
		Dilution Factor: 1		Analysis Time..: 19:56		
Sodium	ND	611	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10M
		Dilution Factor: 1		Analysis Time..: 19:56		
Vanadium	24.2	6.1	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10N
		Dilution Factor: 1		Analysis Time..: 19:56		
Zinc	73.9	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGR6W10P
		Dilution Factor: 1		Analysis Time..: 19:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

TOTAL Metals

Lot-Sample #...: H8E010146-001 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12/98	CGV0T10W
		Dilution Factor: 1		Analysis Time..: 14:28		
Prep Batch #...: 8132200						
Aluminum	**7730**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0T106**
		Dilution Factor: 1		Analysis Time..: 20:01		
Arsenic	**2.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV0T10R**
		Dilution Factor: 1		Analysis Time..: 16:57		
Lead	**44.3**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV0T10T**
		Dilution Factor: 1		Analysis Time..: 16:57		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T107
		Dilution Factor: 1		Analysis Time..: 20:01		
Barium	ND	24.7	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T108
		Dilution Factor: 1		Analysis Time..: 20:01		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/25/98	CGV0T10U
		Dilution Factor: 1		Analysis Time..: 16:57		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T109
		Dilution Factor: 1		Analysis Time..: 20:01		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGV0T10V
		Dilution Factor: 1		Analysis Time..: 16:57		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10A
		Dilution Factor: 1		Analysis Time..: 20:01		
Calcium	**2400**	**617**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0T10C**
		Dilution Factor: 1		Analysis Time..: 20:01		
Chromium	**11.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0T10D**
		Dilution Factor: 1		Analysis Time..: 20:01		
Cobalt	ND	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10E
		Dilution Factor: 1		Analysis Time..: 20:01		
Copper	**6.0**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0T10F**
		Dilution Factor: 1		Analysis Time..: 20:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

TOTAL Metals

Lot-Sample #...: H8E010146-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	11300	12.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10G
		Dilution Factor: 1		Analysis Time..: 20:01		
Magnesium	769	617	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10H
		Dilution Factor: 1		Analysis Time..: 20:01		
Manganese	89.2	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10J
		Dilution Factor: 1		Analysis Time..: 20:01		
Nickel	6.3	4.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10K
		Dilution Factor: 1		Analysis Time..: 20:01		
Potassium	ND	617	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10L
		Dilution Factor: 1		Analysis Time..: 20:01		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10M
		Dilution Factor: 1		Analysis Time..: 20:01		
Sodium	ND	617	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10N
		Dilution Factor: 1		Analysis Time..: 20:01		
Vanadium	20.2	6.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10P
		Dilution Factor: 1		Analysis Time..: 20:01		
Zinc	33.6	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV0T10Q
		Dilution Factor: 1		Analysis Time..: 20:01		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

TOTAL Metals

Lot-Sample #...: H8E010146-002 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 23

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.043	mg/kg	SW846 7471A	05/12/98	CGV0X10W
		Dilution Factor: 1		Analysis Time..: 14:30		
Prep Batch #...: 8132200						
Aluminum	**5980**	**26.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0X106**
		Dilution Factor: 1		Analysis Time..: 20:06		
Arsenic	**3.5**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV0X10R**
		Dilution Factor: 1		Analysis Time..: 17:03		
Lead	**283**	**0.39**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV0X10T**
		Dilution Factor: 1		Analysis Time..: 17:03		
Antimony	ND	7.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X107
		Dilution Factor: 1		Analysis Time..: 20:06		
Barium	**35.0**	**26.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0X108**
		Dilution Factor: 1		Analysis Time..: 20:06		
Selenium	ND	0.65	mg/kg	SW846 6010A	05/13-05/25/98	CGV0X10U
		Dilution Factor: 1		Analysis Time..: 17:03		
Beryllium	ND	0.65	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X109
		Dilution Factor: 1		Analysis Time..: 20:06		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGV0X10V
		Dilution Factor: 1		Analysis Time..: 17:03		
Cadmium	ND	0.65	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10A
		Dilution Factor: 1		Analysis Time..: 20:06		
Calcium	**6050**	**649**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0X10C**
		Dilution Factor: 1		Analysis Time..: 20:06		
Chromium	**9.4**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0X10D**
		Dilution Factor: 1		Analysis Time..: 20:06		
Cobalt	ND	6.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10E
		Dilution Factor: 1		Analysis Time..: 20:06		
Copper	**6.2**	**3.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV0X10F**
		Dilution Factor: 1		Analysis Time..: 20:06		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

TOTAL Metals

Lot-Sample #...: H8E010146-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	11300	13.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10G
		Dilution Factor: 1		Analysis Time..: 20:06		
Magnesium	996	649	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10H
		Dilution Factor: 1		Analysis Time..: 20:06		
Manganese	103	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10J
		Dilution Factor: 1		Analysis Time..: 20:06		
Nickel	7.6	5.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10K
		Dilution Factor: 1		Analysis Time..: 20:06		
Potassium	ND	649	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10L
		Dilution Factor: 1		Analysis Time..: 20:06		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10M
		Dilution Factor: 1		Analysis Time..: 20:06		
Sodium	ND	649	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10N
		Dilution Factor: 1		Analysis Time..: 20:06		
Vanadium	17.2	6.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10P
		Dilution Factor: 1		Analysis Time..: 20:06		
Zinc	64.0	2.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV0X10Q
		Dilution Factor: 1		Analysis Time..: 20:06		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

TOTAL Metals

Lot-Sample #...: H8E010146-003 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGV1110V
		Dilution Factor: 1		Analysis Time..: 14:32		
Prep Batch #...: 8132200						
Aluminum	**13300**	**25.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV11105**
		Dilution Factor: 1		Analysis Time..: 20:11		
Arsenic	**6.1**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1110Q**
		Dilution Factor: 1		Analysis Time..: 17:08		
Lead	**10.6**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1110R**
		Dilution Factor: 1		Analysis Time..: 17:08		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV11106
		Dilution Factor: 1		Analysis Time..: 20:11		
Barium	**72.0**	**25.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV11107**
		Dilution Factor: 1		Analysis Time..: 20:11		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-05/25/98	CGV1110T
		Dilution Factor: 1		Analysis Time..: 17:08		
Beryllium	**0.65**	**0.63**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV11108**
		Dilution Factor: 1		Analysis Time..: 20:11		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGV1110U
		Dilution Factor: 1		Analysis Time..: 17:08		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGV11109
		Dilution Factor: 1		Analysis Time..: 20:11		
Calcium	**50500**	**631**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1110A**
		Dilution Factor: 1		Analysis Time..: 20:11		
Chromium	**19.2**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1110C**
		Dilution Factor: 1		Analysis Time..: 20:11		
Cobalt	**16.8**	**6.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1110D**
		Dilution Factor: 1		Analysis Time..: 20:11		
Copper	**23.7**	**3.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1110E**
		Dilution Factor: 1		Analysis Time..: 20:11		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

TOTAL Metals

Lot-Sample #...: H8E010146-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	23000	12.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110F
		Dilution Factor: 1		Analysis Time..: 20:11		
Magnesium	14800	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110G
		Dilution Factor: 1		Analysis Time..: 20:11		
Manganese	665	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110H
		Dilution Factor: 1		Analysis Time..: 20:11		
Nickel	34.9	5.1	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110J
		Dilution Factor: 1		Analysis Time..: 20:11		
Potassium	2650	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110K
		Dilution Factor: 1		Analysis Time..: 20:11		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110L
		Dilution Factor: 1		Analysis Time..: 20:11		
Sodium	ND	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110M
		Dilution Factor: 1		Analysis Time..: 20:11		
Vanadium	28.7	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110N
		Dilution Factor: 1		Analysis Time..: 20:11		
Zinc	69.8	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV1110P
		Dilution Factor: 1		Analysis Time..: 20:11		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

TOTAL Metals

Lot-Sample #...: H8E010146-004 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.038	mg/kg	SW846 7471A	05/12/98	CGV1312M
		Dilution Factor: 1		Analysis Time..: 14:35		
Prep Batch #...: 8132200						
Aluminum	**1920**	**22.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1310F**
		Dilution Factor: 1		Analysis Time..: 20:26		
Arsenic	**1.4**	**1.1**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV13128**
		Dilution Factor: 1		Analysis Time..: 17:14		
Lead	**9.3**	**0.34**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1312C**
		Dilution Factor: 1		Analysis Time..: 17:14		
Antimony	ND	6.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV1310J
		Dilution Factor: 1		Analysis Time..: 20:26		
Barium	**43.8**	**22.8**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1310M**
		Dilution Factor: 1		Analysis Time..: 20:26		
Selenium	ND	0.57	mg/kg	SW846 6010A	05/13-05/25/98	CGV1312F
		Dilution Factor: 1		Analysis Time..: 17:14		
Beryllium	ND	0.57	mg/kg	SW846 6010A	05/13-05/22/98	CGV1310Q
		Dilution Factor: 1		Analysis Time..: 20:26		
Thallium	ND	1.1	mg/kg	SW846 6010A	05/13-05/25/98	CGV1312J
		Dilution Factor: 1		Analysis Time..: 17:14		
Cadmium	ND	0.57	mg/kg	SW846 6010A	05/13-05/22/98	CGV1310U
		Dilution Factor: 1		Analysis Time..: 20:26		
Calcium	**3350**	**569**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1310X**
		Dilution Factor: 1		Analysis Time..: 20:26		
Chromium	**2.3**	**1.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV13112**
		Dilution Factor: 1		Analysis Time..: 20:26		
Cobalt	ND	5.7	mg/kg	SW846 6010A	05/13-05/22/98	CGV13115
		Dilution Factor: 1		Analysis Time..: 20:26		
Copper	ND	2.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV13118
		Dilution Factor: 1		Analysis Time..: 20:26		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

TOTAL Metals

Lot-Sample #...: H8E010146-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1050**	**11.4**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1311C**
		Dilution Factor: 1		Analysis Time..: 20:26		
Magnesium	ND	569	mg/kg	SW846 6010A	05/13-05/22/98	CGV1311F
		Dilution Factor: 1		Analysis Time..: 20:26		
Manganese	**14.8**	**1.7**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1311J**
		Dilution Factor: 1		Analysis Time..: 20:26		
Nickel	ND	4.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV1311M
		Dilution Factor: 1		Analysis Time..: 20:26		
Potassium	ND	569	mg/kg	SW846 6010A	05/13-05/22/98	CGV1311Q
		Dilution Factor: 1		Analysis Time..: 20:26		
Silver	ND	1.1	mg/kg	SW846 6010A	05/13-05/22/98	CGV1311U
		Dilution Factor: 1		Analysis Time..: 20:26		
Sodium	ND	569	mg/kg	SW846 6010A	05/13-05/22/98	CGV1311X
		Dilution Factor: 1		Analysis Time..: 20:26		
Vanadium	ND	5.7	mg/kg	SW846 6010A	05/13-05/22/98	CGV13122
		Dilution Factor: 1		Analysis Time..: 20:26		
Zinc	**6.2**	**2.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV13125**
		Dilution Factor: 1		Analysis Time..: 20:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

TOTAL Metals

Lot-Sample #...: H8E010146-005 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGV1910V
		Dilution Factor: 1		Analysis Time..: 14:47		
Prep Batch #...: 8132200						
Aluminum	**12500**	**25.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV19105**
		Dilution Factor: 1		Analysis Time..: 20:46		
Arsenic	**6.1**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1910Q**
		Dilution Factor: 1		Analysis Time..: 17:58		
Lead	**9.8**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1910R**
		Dilution Factor: 1		Analysis Time..: 17:58		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV19106
		Dilution Factor: 1		Analysis Time..: 20:46		
Barium	**56.4**	**25.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV19107**
		Dilution Factor: 1		Analysis Time..: 20:46		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-05/25/98	CGV1910T
		Dilution Factor: 1		Analysis Time..: 17:58		
Beryllium	**0.63**	**0.63**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV19108**
		Dilution Factor: 1		Analysis Time..: 20:46		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGV1910U
		Dilution Factor: 1		Analysis Time..: 17:58		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGV19109
		Dilution Factor: 1		Analysis Time..: 20:46		
Calcium	**53700**	**630**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1910A**
		Dilution Factor: 1		Analysis Time..: 20:46		
Chromium	**18.5**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1910C**
		Dilution Factor: 1		Analysis Time..: 20:46		
Cobalt	**10.4**	**6.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1910D**
		Dilution Factor: 1		Analysis Time..: 20:46		
Copper	**24.0**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1910E**
		Dilution Factor: 1		Analysis Time..: 20:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

TOTAL Metals

Lot-Sample #...: H8E010146-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	23100	12.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910F
		Dilution Factor: 1		Analysis Time..: 20:46		
Magnesium	17200	630	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910G
		Dilution Factor: 1		Analysis Time..: 20:46		
Manganese	375	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910H
		Dilution Factor: 1		Analysis Time..: 20:46		
Nickel	26.9	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910J
		Dilution Factor: 1		Analysis Time..: 20:46		
Potassium	2920	630	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910K
		Dilution Factor: 1		Analysis Time..: 20:46		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910L
		Dilution Factor: 1		Analysis Time..: 20:46		
Sodium	ND	630	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910M
		Dilution Factor: 1		Analysis Time..: 20:46		
Vanadium	28.7	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910N
		Dilution Factor: 1		Analysis Time..: 20:46		
Zinc	68.3	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV1910P
		Dilution Factor: 1		Analysis Time..: 20:46		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

TOTAL Metals

Lot-Sample #...: H8E010146-006 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGV1G10V
		Dilution Factor: 1		Analysis Time..: 14:49		
Prep Batch #...: 8132200						
Aluminum	**7520**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G105**
		Dilution Factor: 1		Analysis Time..: 20:51		
Arsenic	**5.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1G10Q**
		Dilution Factor: 1		Analysis Time..: 18:04		
Lead	**5.6**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV1G10R**
		Dilution Factor: 1		Analysis Time..: 18:04		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G106
		Dilution Factor: 1		Analysis Time..: 20:51		
Barium	**29.7**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G107**
		Dilution Factor: 1		Analysis Time..: 20:51		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-05/25/98	CGV1G10T
		Dilution Factor: 1		Analysis Time..: 18:04		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G108
		Dilution Factor: 1		Analysis Time..: 20:51		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGV1G10U
		Dilution Factor: 1		Analysis Time..: 18:04		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G109
		Dilution Factor: 1		Analysis Time..: 20:51		
Calcium	**2060**	**601**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G10A**
		Dilution Factor: 1		Analysis Time..: 20:51		
Chromium	**11.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G10C**
		Dilution Factor: 1		Analysis Time..: 20:51		
Cobalt	**7.4**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G10D**
		Dilution Factor: 1		Analysis Time..: 20:51		
Copper	**9.6**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV1G10E**
		Dilution Factor: 1		Analysis Time..: 20:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

TOTAL Metals

Lot-Sample #...: H8E010146-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	15200	12.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10F
		Dilution Factor: 1		Analysis Time..: 20:51		
Magnesium	1460	601	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10G
		Dilution Factor: 1		Analysis Time..: 20:51		
Manganese	258	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10H
		Dilution Factor: 1		Analysis Time..: 20:51		
Nickel	13.4	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10J
		Dilution Factor: 1		Analysis Time..: 20:51		
Potassium	647	601	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10K
		Dilution Factor: 1		Analysis Time..: 20:51		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10L
		Dilution Factor: 1		Analysis Time..: 20:51		
Sodium	ND	601	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10M
		Dilution Factor: 1		Analysis Time..: 20:51		
Vanadium	21.1	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10N
		Dilution Factor: 1		Analysis Time..: 20:51		
Zinc	34.2	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGV1G10P
		Dilution Factor: 1		Analysis Time..: 20:51		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

TOTAL Metals

Lot-Sample #...: H8E010146-007 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12/98	CGV2310U
		Dilution Factor: 1		Analysis Time..: 14:51		
Prep Batch #...: 8132200						
Aluminum	**9590**	**25.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV23104**
		Dilution Factor: 1		Analysis Time..: 20:56		
Arsenic	**7.3**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2310P**
		Dilution Factor: 1		Analysis Time..: 18:09		
Lead	**9.8**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2310Q**
		Dilution Factor: 1		Analysis Time..: 18:09		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV23105
		Dilution Factor: 1		Analysis Time..: 20:56		
Barium	**65.2**	**25.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV23106**
		Dilution Factor: 1		Analysis Time..: 20:56		
Selenium	**1.2**	**0.63**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2310R**
		Dilution Factor: 1		Analysis Time..: 18:09		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGV23107
		Dilution Factor: 1		Analysis Time..: 20:56		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/25/98	CGV2310T
		Dilution Factor: 1		Analysis Time..: 18:09		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-05/22/98	CGV23108
		Dilution Factor: 1		Analysis Time..: 20:56		
Calcium	**58300**	**631**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV23109**
		Dilution Factor: 1		Analysis Time..: 20:56		
Chromium	**15.0**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2310A**
		Dilution Factor: 1		Analysis Time..: 20:56		
Cobalt	**10.8**	**6.3**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2310C**
		Dilution Factor: 1		Analysis Time..: 20:56		
Copper	**23.6**	**3.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2310D**
		Dilution Factor: 1		Analysis Time..: 20:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

TOTAL Metals

Lot-Sample #...: H8E010146-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21600	12.6	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310E
		Dilution Factor: 1		Analysis Time..: 20:56		
Magnesium	18300	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310F
		Dilution Factor: 1		Analysis Time..: 20:56		
Manganese	539	1.9	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310G
		Dilution Factor: 1		Analysis Time..: 20:56		
Nickel	27.5	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310H
		Dilution Factor: 1		Analysis Time..: 20:56		
Potassium	1900	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310J
		Dilution Factor: 1		Analysis Time..: 20:56		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310K
		Dilution Factor: 1		Analysis Time..: 20:56		
Sodium	ND	631	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310L
		Dilution Factor: 1		Analysis Time..: 20:56		
Vanadium	25.3	6.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310M
		Dilution Factor: 1		Analysis Time..: 20:56		
Zinc	64.0	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CGV2310N
		Dilution Factor: 1		Analysis Time..: 20:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

TOTAL Metals

Lot-Sample #...: H8E010146-008 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131274						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12/98	CGV2D10V
		Dilution Factor: 1		Analysis Time..: 14:54		
Prep Batch #...: 8132200						
Aluminum	**8190**	**24.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D105**
		Dilution Factor: 1		Analysis Time..: 21:01		
Arsenic	**5.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2D10Q**
		Dilution Factor: 1		Analysis Time..: 18:15		
Lead	**6.3**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2D10R**
		Dilution Factor: 1		Analysis Time..: 18:15		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D106
		Dilution Factor: 1		Analysis Time..: 21:01		
Barium	**50.4**	**24.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D107**
		Dilution Factor: 1		Analysis Time..: 21:01		
Selenium	**0.65**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/25/98**	**CGV2D10T**
		Dilution Factor: 1		Analysis Time..: 18:15		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D108
		Dilution Factor: 1		Analysis Time..: 21:01		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/25/98	CGV2D10U
		Dilution Factor: 1		Analysis Time..: 18:15		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D109
		Dilution Factor: 1		Analysis Time..: 21:01		
Calcium	**2620**	**605**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D10A**
		Dilution Factor: 1		Analysis Time..: 21:01		
Chromium	**10.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D10C**
		Dilution Factor: 1		Analysis Time..: 21:01		
Cobalt	**13.8**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D10D**
		Dilution Factor: 1		Analysis Time..: 21:01		
Copper	**13.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/22/98**	**CGV2D10E**
		Dilution Factor: 1		Analysis Time..: 21:01		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

TOTAL Metals

Lot-Sample #...: H8E010146-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14900	12.1	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10F
		Dilution Factor: 1		Analysis Time..: 21:01		
Magnesium	1650	605	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10G
		Dilution Factor: 1		Analysis Time..: 21:01		
Manganese	418	1.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10H
		Dilution Factor: 1		Analysis Time..: 21:01		
Nickel	31.4	4.8	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10J
		Dilution Factor: 1		Analysis Time..: 21:01		
Potassium	638	605	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10K
		Dilution Factor: 1		Analysis Time..: 21:01		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10L
		Dilution Factor: 1		Analysis Time..: 21:01		
Sodium	ND	605	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10M
		Dilution Factor: 1		Analysis Time..: 21:01		
Vanadium	18.0	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10N
		Dilution Factor: 1		Analysis Time..: 21:01		
Zinc	41.4	2.4	mg/kg	SW846 6010A	05/13-05/22/98	CGV2D10P
		Dilution Factor: 1		Analysis Time..: 21:01		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E110000-274 **Prep Batch #...:** 8131274						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/12/98	CH3FW101
		Dilution Factor: 1				
		Analysis Time..: 13:50				
MB Lot-Sample #: H8E120000-200 **Prep Batch #...:** 8132200						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10K
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/13-05/25/98	CH43L10F
		Dilution Factor: 1				
		Analysis Time..: 13:41				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10L
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Lead	ND	0.30	mg/kg	SW846 6010A	05/13-05/25/98	CH43L10G
		Dilution Factor: 1				
		Analysis Time..: 13:41				
Barium	ND	20.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10M
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/13-05/25/98	CH43L10H
		Dilution Factor: 1				
		Analysis Time..: 13:41				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10N
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/13-05/25/98	CH43L10J
		Dilution Factor: 1				
		Analysis Time..: 13:41				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10P
		Dilution Factor: 1				
		Analysis Time..: 17:26				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH43L101
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L102
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L103
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Copper	ND	2.5	mg/kg	SW846 6010A	05/13-05/22/98	CH43L104
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Iron	ND	10.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L105
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Magnesium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH43L106
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/13-05/22/98	CH43L107
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L108
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Potassium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH43L109
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Silver	ND	1.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10A
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Sodium	ND	500	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10C
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10D
		Dilution Factor: 1				
		Analysis Time..: 17:26				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/13-05/22/98	CH43L10E

Dilution Factor: 1

Analysis Time..: 17:26

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received...:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E010146-004 **Prep Batch #...:** 8131274							
Mercury	105	(55 - 130)			SW846 7471A	05/12/98	CGV1312N
	104	(55 - 130)	0.95	(0-20)	SW846 7471A	05/12/98	CGV1312P
		Dilution Factor: 1					
		Analysis Time..: 14:37					
MS Lot-Sample #: H8E010146-004 **Prep Batch #...:** 8132200							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1310G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/22/98	CGV1310H
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Arsenic	88	(80 - 120)			SW846 6010A	05/13-05/25/98	CGV13129
	88	(80 - 120)	0.62	(0-20)	SW846 6010A	05/13-05/25/98	CGV1312A
		Dilution Factor: 1					
		Analysis Time..: 17:19					
Antimony	57 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1310K
	73 N,*	(80 - 120)	26	(0-20)	SW846 6010A	05/13-05/22/98	CGV1310L
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Lead	86	(80 - 120)			SW846 6010A	05/13-05/25/98	CGV1312D
	88	(80 - 120)	1.7	(0-20)	SW846 6010A	05/13-05/25/98	CGV1312E
		Dilution Factor: 1					
		Analysis Time..: 17:19					
Barium	101	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1310N
	98	(80 - 120)	2.6	(0-20)	SW846 6010A	05/13-05/22/98	CGV1310P
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Selenium	85	(80 - 120)			SW846 6010A	05/13-05/25/98	CGV1312G
	86	(80 - 120)	1.5	(0-20)	SW846 6010A	05/13-05/25/98	CGV1312H
		Dilution Factor: 1					
		Analysis Time..: 17:19					
Beryllium	101	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1310R
	101	(80 - 120)	0.07	(0-20)	SW846 6010A	05/13-05/22/98	CGV1310T
		Dilution Factor: 1					
		Analysis Time..: 20:31					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	83	(80 - 120)			SW846 6010A	05/13-05/25/98	CGV1312K
	84	(80 - 120)	1.5	(0-20)	SW846 6010A	05/13-05/25/98	CGV1312L
		Dilution Factor: 1					
		Analysis Time..: 17:19					
Cadmium	96	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1310V
	97	(80 - 120)	1.6	(0-20)	SW846 6010A	05/13-05/22/98	CGV1310W
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Calcium	101	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13110
	102	(80 - 120)	1.0	(0-20)	SW846 6010A	05/13-05/22/98	CGV13111
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Chromium	123 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13113
	116	(80 - 120)	5.3	(0-20)	SW846 6010A	05/13-05/22/98	CGV13114
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Cobalt	94	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13116
	95	(80 - 120)	0.77	(0-20)	SW846 6010A	05/13-05/22/98	CGV13117
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Copper	99	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13119
	100	(80 - 120)	0.85	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311A
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/22/98	CGV1311E
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Magnesium	110	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311G
	109	(80 - 120)	1.5	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311H
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Manganese	122 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311K
	115	(80 - 120)	4.9	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311L
		Dilution Factor: 1					
		Analysis Time..: 20:31					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	96	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311N
	98	(80 - 120)	1.8	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311P
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Potassium	132 N	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311R
	120	(80 - 120)	9.3	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311T
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Silver	89	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV1311V
	90	(80 - 120)	0.69	(0-20)	SW846 6010A	05/13-05/22/98	CGV1311W
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Sodium	103	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13120
	104	(80 - 120)	1.0	(0-20)	SW846 6010A	05/13-05/22/98	CGV13121
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Vanadium	117	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13123
	112	(80 - 120)	3.8	(0-20)	SW846 6010A	05/13-05/22/98	CGV13124
		Dilution Factor: 1					
		Analysis Time..: 20:31					
Zinc	98	(80 - 120)			SW846 6010A	05/13-05/22/98	CGV13126
	99	(80 - 120)	1.2	(0-20)	SW846 6010A	05/13-05/22/98	CGV13127
		Dilution Factor: 1					
		Analysis Time..: 20:31					

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.

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.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E110000-274 **Prep Batch #...:** 8131274					
Mercury	101	(80 - 120)	SW846 7471A Dilution Factor: 1 Analysis Time..: 13:52	05/12/98	CH3FW102
LCS Lot-Sample#: H8E120000-200 **Prep Batch #...:** 8132200					
Calcium	96	(84 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10Q
Chromium	99	(87 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10R
Cobalt	93	(87 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10T
Copper	92	(86 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10U
Iron	91	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10V
Magnesium	99	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10W
Manganese	95	(89 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L10X
Aluminum	103	(89 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L11A
Antimony	93	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:30	05/13-05/22/98	CH43L11C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	97	(88 - 110)	SW846 6010A	05/13-05/22/98	CH43L11D
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Beryllium	102	(80 - 118)	SW846 6010A	05/13-05/22/98	CH43L11E
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Cadmium	96	(80 - 113)	SW846 6010A	05/13-05/22/98	CH43L11F
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Nickel	96	(88 - 115)	SW846 6010A	05/13-05/22/98	CH43L110
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Potassium	99	(83 - 113)	SW846 6010A	05/13-05/22/98	CH43L111
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Silver	90	(80 - 117)	SW846 6010A	05/13-05/22/98	CH43L112
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Sodium	100	(85 - 115)	SW846 6010A	05/13-05/22/98	CH43L113
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Vanadium	94	(89 - 113)	SW846 6010A	05/13-05/22/98	CH43L114
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Zinc	95	(89 - 118)	SW846 6010A	05/13-05/22/98	CH43L115
		Dilution Factor: 1			
		Analysis Time..: 17:30			
Arsenic	94	(83 - 110)	SW846 6010A	05/13-05/25/98	CH43L116
		Dilution Factor: 1			
		Analysis Time..: 13:46			
Lead	95	(84 - 110)	SW846 6010A	05/13-05/25/98	CH43L117
		Dilution Factor: 1			
		Analysis Time..: 13:46			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

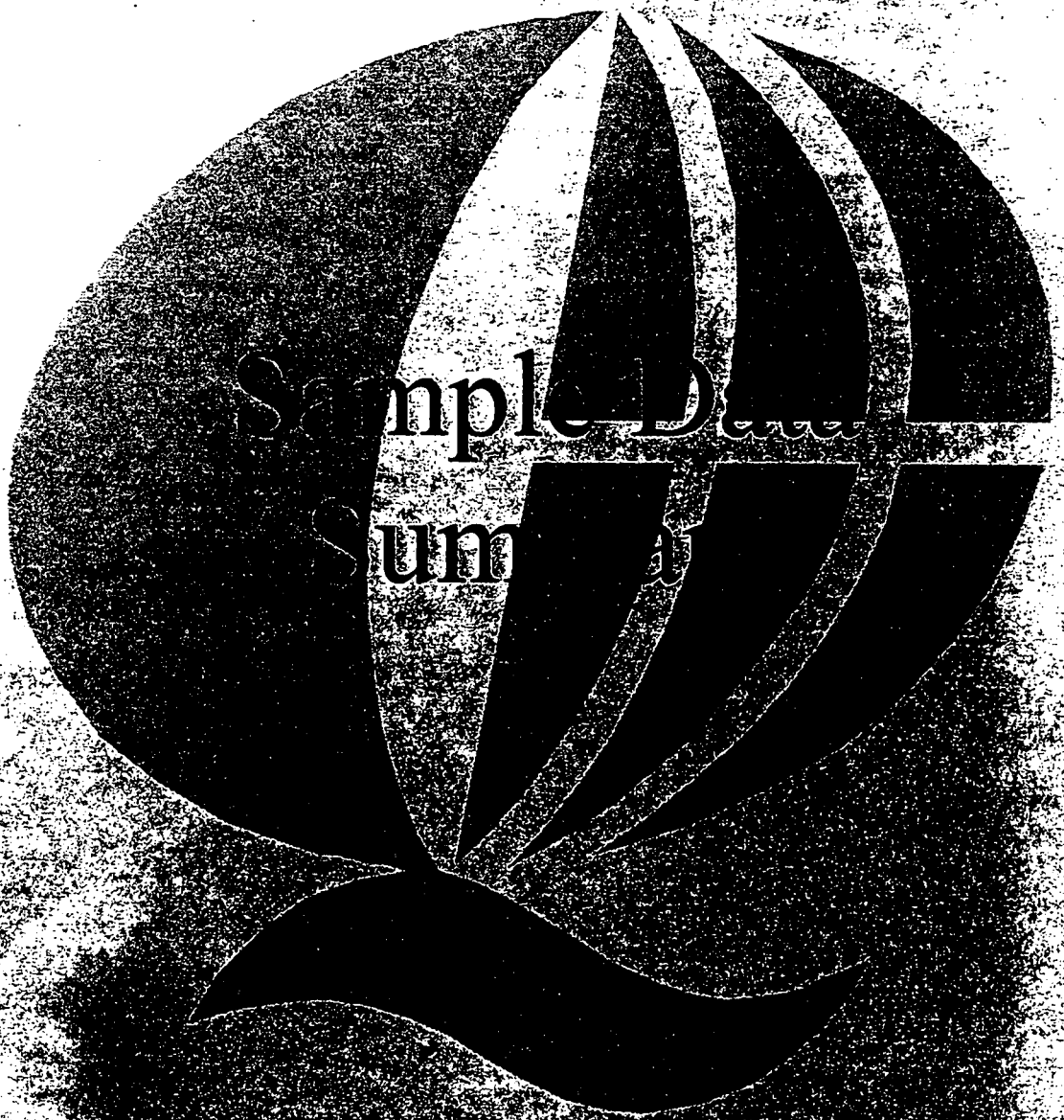
TOTAL Metals

Client Lot #...: PB016 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	90	(80 - 110)	SW846 6010A	05/13-05/25/98	CH43L118
		Dilution Factor: 1			
		Analysis Time..: 13:46			
Thallium	90	(83 - 110)	SW846 6010A	05/13-05/25/98	CH43L119
		Dilution Factor: 1			
		Analysis Time..: 13:46			

NOTE(S):

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



Sample Bank Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6310

General Chemistry

Lot-Sample #...: H8D290142-001 **Work Order #...:** CGR61 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.4**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**16.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	**796**	**48.0**	**mg/kg**	**SW846 9056**	**04/30-05/01/98**	**8125128**
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6320

General Chemistry

Lot-Sample #...: H8D290142-002 **Work Order #...:** CGR69 **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.7**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**19.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	**781**	**49.9**	**mg/kg**	**SW846 9056**	**04/30-05/01/98**	**8125128**
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6350

General Chemistry

Lot-Sample #...: H8D290142-003 Work Order #...: CGR6A Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	9.4	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	16.7	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	172	12.0	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6360

General Chemistry

Lot-Sample #...: H8D290142-004 **Work Order #...:** CGR6C **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**19.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	**342**	**24.8**	**mg/kg**	**SW846 9056**	**04/30-05/01/98**	**8125128**
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6370

General Chemistry

Lot-Sample #...: H8D290142-005 Work Order #...: CGR6E Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	5.1	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	17.6	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	175	12.1	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6380

General Chemistry

Lot-Sample #...: H8D290142-006 **Work Order #...:** CGR6F **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.7**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**18.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	**284**	**12.2**	**mg/kg**	**SW846 9056**	**04/30/98**	**8125128**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6550

General Chemistry

Lot-Sample #...: H8D290142-007 Work Order #...: CGR6H Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.6	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	19.1	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	26.0	12.4	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6560

General Chemistry

Lot-Sample #...: H8D290142-008 **Work Order #...:** CGR6K **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.5**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**16.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	**24.6**	**11.9**	**mg/kg**	**SW846 9056**	**04/30/98**	**8125128**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6570

General Chemistry

Lot-Sample #...: H8D290142-009 **Work Order #...:** CGR6L **Matrix.....:** SOLID
Date Sampled...: 04/27/98 **Date Received..:** 04/29/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.4**	**0.10**	**No Units**	**SW846 9045A**	**04/30/98**	**8121158**
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	**14.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/05-05/06/98**	**8126162**
		Dilution Factor: 1				
Sulfate	ND	11.7	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6580

General Chemistry

Lot-Sample #...: H8D290142-010 Work Order #...: CGR6M Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	19.4	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	ND	12.4	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6590

General Chemistry

Lot-Sample #...: H8D290142-011 Work Order #...: CGR6R Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.5	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	19.6	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	16.6	12.4	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6600

General Chemistry

Lot-Sample #...: H8D290142-012 Work Order #...: CGR6W Matrix.....: SOLID
Date Sampled...: 04/27/98 Date Received..: 04/29/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	04/30/98	8121158
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Percent Moisture	18.1	0.10	%	MCAWW 160.3 MOD	05/05-05/06/98	8126162
		Dilution Factor: 1				
Sulfate	123	12.2	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6010

General Chemistry

Lot-Sample #...: H8E010146-001 Work Order #...: CGV0T Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	19.0	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	823	49.4	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6011

General Chemistry

Lot-Sample #...: H8E010146-002 Work Order #...: CGV0X Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.3	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.5	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	23.0	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	3610	260	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6020

General Chemistry

Lot-Sample #...: H8E010146-003 Work Order #...: CGV11 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.3	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	20.8	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	4760	253	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6030

General Chemistry

Lot-Sample #...: H8E010146-004 Work Order #...: CGV13 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	6.8	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	5.7	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	166	45.5	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6040

General Chemistry

Lot-Sample #...: H8E010146-005 **Work Order #...:** CGV19 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.2**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	**20.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/11-05/12/98**	**8132196**
		Dilution Factor: 1				
Sulfate	ND	12.6	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6050

General Chemistry

Lot-Sample #...: H8E010146-006 Work Order #...: CGV1G Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	2840	240	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6060

General Chemistry

Lot-Sample #...: H8E010146-007 **Work Order #...:** CGV23 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.9**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	**20.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/11-05/12/98**	**8132196**
		Dilution Factor: 1				
Sulfate	**26.4**	**12.6**	**mg/kg**	**SW846 9056**	**05/02-05/04/98**	**8128210**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6070

General Chemistry

Lot-Sample #...: H8E010146-008 Work Order #...: CGV2D Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD	05/11-05/12/98	8132196
		Dilution Factor: 1				
Sulfate	94.3	12.1	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8D290142 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CGWKR101		MB Lot-Sample #:	B8E050000-127	
	ND	5.0	mg/kg	SW846 9056	04/30/98	8125127
		Dilution Factor: 1				
Sulfate		Work Order #: CGWKT101		MB Lot-Sample #:	B8E050000-128	
	ND	10.0	mg/kg	SW846 9056	04/30/98	8125128
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8E010146 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH21W101		MB Lot-Sample #:	B8E080000-205	
	ND	5.0	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Sulfate		Work Order #: CH22H101		MB Lot-Sample #:	B8E080000-210	
	ND	10.0	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1				
Sulfate		Work Order #: CH244101		MB Lot-Sample #:	B8E080000-220	
	ND	10.0	mg/kg	SW846 9056	05/08/98	8128220
		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 #...: H8E010146 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#: CGV1312T-MS/CGV1312U-MSD				MS Lot-Sample #: H8E010146-004	
	107	(80 - 120)			SW846 9056	05/02-05/04/98	8128205
	106	(80 - 120)	0.77	(0-20)	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1					
Sulfate		WO#: CGV1312W-MS/CGV1312X-MSD				MS Lot-Sample #: H8E010146-004	
	0.0 MSB	(80 - 120)			SW846 9056	05/02-05/04/98	8128210
	0.0 MSB	(80 - 120)	0.0	(0-20)	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1					

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.

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 #...: H8E010146 **Work Order #...:** CGV13-SMP CGV13-DUP **Matrix.....:** SOLID

Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

% Moisture.....: 12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E010146-004	
	6.8	6.7	No Units	0.81	(0-20)	SW846 9045A	05/02/98	8124145

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: H8D290142 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGTKF101-LCS/CGTKF102-LCSD				LCS Lot-Sample#: B8E010000-158	
	100	(99 - 101)			SW846 9045A	04/30/98	8121158
	100	(99 - 101)	0.17	(0-20)	SW846 9045A	04/30/98	8121158

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 #...: H8E010146 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGW2L101-LCS/CGW2L102-LCSD LCS Lot-Sample#: B8E040000-145					
	100	(99 - 101)			SW846 9045A	05/02/98	8124145
	100	(99 - 101)	0.22	(0-20)	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1					
pH (solid)		WO#:CGW33101-LCS/CGW33102-LCSD LCS Lot-Sample#: B8E040000-154					
	100	(99 - 101)			SW846 9045A	05/02/98	8124154
	100	(99 - 101)	0.19	(0-20)	SW846 9045A	05/02/98	8124154
		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 #...: H8D290142 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CGWKR102	LCS Lot-Sample#: B8E050000-127		
	102	(89 - 110)	SW846 9056	04/30/98	8125127
		Dilution Factor: 1			
Sulfate		Work Order #: CGWKT102	LCS Lot-Sample#: B8E050000-128		
	107	(80 - 120)	SW846 9056	04/30/98	8125128
		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 #...: H8E010146 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH21W102		LCS Lot-Sample#: B8E080000-205	
	101	(89 - 110)	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1			
Sulfate		Work Order #: CH22H102		LCS Lot-Sample#: B8E080000-210	
	108	(80 - 120)	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1			
Sulfate		Work Order #: CH244102		LCS Lot-Sample#: B8E080000-220	
	95	(80 - 120)	SW846 9056	05/08/98	8128220
		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# PB016

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	P/PCB	PH	TOTAL	ANIONS	EXP
				8260A	8270B	8081	9045	6010A	9056	8330
1	4/28/98	H8D290142	6310	X	X	X	T	X	T	
2			6320	X	X	X	T	X	T	
3			6350	X	X	X	T	X	T	
4			6360	X	X	X	T	X	T	
5			6370	X	X	X	T	X	T	
6			6380	X	X	X	T	X	T	
7			6550	X	X	X	T	X	T	
8			6560	X	X	X	T	X	T	
9			6570	X	X	X	T	X	T	
10			6580	X	X	X	T	X	T	
11			6590	X	X	X	T	X	T	
12			6600	X	X	X	T	X	T	
13	5/1/98	H8E010146	6010	X	X	X	T	X	T	X
14			6011	X	X	X	T	X	T	X
15			6020	X	X		T	X	T	X
16			6030	QC	QC	QC	QC/T	QC	QC/T	QC
17			6040	X	X		T	X	T	X
18			6050	X	X	X	T	X	T	
19			6060	X	X		T	X	T	
20			6070	X	X	X	T	X	T	

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

MATRIX: SOIL
ANALYTICAL DUE: 5-22-98
REPORT DUE: 5-26-98
CLOSED?__YES__

6/4/987:03 PM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: JT CORP PROJECT: PLUMBROOK Lot No.: HBD290142

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: 4-29-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131	✓		
b. Informed Login associates of special instructions ? Soil SDG PB016 ... ("B") Anion → TAMPA!			
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 4/29/98

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: I.T.KNX PROJECT: PBOW/AOD ARGIS Lot No.: H8D290142

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: 4/29/98

QA016R7.doc, 01/29/98

H80290142

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042898QESK

Project Number: 773206

Samples Shipment Date: 28-APR-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/801624850546

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] / IT — Date: 4/28/98 Time: 1700

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

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

1. Received By (Signature/Affiliation) [signature] — Date: 4-29-98 Time: 08:35

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

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

Comments:

custody seals intact
received at 8°C 4/29/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6310 /	PBOW-98-SO-AA2-SB01-6310-(0001)	27-APR-98	14:45	4 oz CWM	1	None except cool to 4 C	✓ TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6310 /	PBOW-98-SO-AA2-SB01-6310-(0001)	27-APR-98	14:45	8 oz CWM	1	None except cool to 4 C	✓ PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6310 /	PBOW-98-SO-AA2-SB01-6310-(0001)	27-APR-98	14:45	4 oz CWM	2	None except cool to 4 C	✓ TCL Volatiles by SW-846 8260A	N		
6310 /	PBOW-98-SO-AA2-SB01-6310-(0001)	27-APR-98	14:45	4 oz CWM	1	None except cool to 4 C	✓ Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6320 /	PBOW-98-SO-AA2-SB01-6320-(0910)	27-APR-98	15:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6320 /	PBOW-98-SO-AA2-SB01-6320-(0910)	27-APR-98	15:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

1480290142

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6320	PBOW-98-SO-AA2-SB01-6320-(0910)	27-APR-98	15:10	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6320	PBOW-98-SO-AA2-SB01-6320-(0910)	27-APR-98	15:10	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6350	PBOW-98-SO-AA2-SB03-6350-(0001)	27-APR-98	15:30	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6350	PBOW-98-SO-AA2-SB03-6350-(0001)	27-APR-98	15:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6350	PBOW-98-SO-AA2-SB03-6350-(0001)	27-APR-98	15:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6350	PBOW-98-SO-AA2-SB03-6350-(0001)	27-APR-98	15:30	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6360	PBOW-98-SO-AA2-SB03-6360-(0910)	27-APR-98	15:50	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6360	PBOW-98-SO-AA2-SB03-6360-(0910)	27-APR-98	15:50	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6360	PBOW-98-SO-AA2-SB03-6360-(0910)	27-APR-98	15:50	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6360	PBOW-98-SO-AA2-SB03-6360-(0910)	27-APR-98	15:50	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6370	PBOW-98-SO-AA2-SB04-6370-(0001)	27-APR-98	16:10	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6370	PBOW-98-SO-AA2-SB04-6370-(0001)	27-APR-98	16:10	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6370	PBOW-98-SO-AA2-SB04-6370-(0001)	27-APR-98	16:10	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6370	PBOW-98-SO-AA2-SB04-6370-(0001)	27-APR-98	16:10	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6380	PBOW-98-SO-AA2-SB04-6380-(0910)	27-APR-98	16:30	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6380	PBOW-98-SO-AA2-SB04-6380-(0910)	27-APR-98	16:30	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6380	PBOW-98-SO-AA2-SB04-6380-(0910)	27-APR-98	16:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6380	PBOW-98-SO-AA2-SB04-6380-(0910)	27-APR-98	16:30	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6550	PBOW-98-SO-AA2-SB13-6550-(0001)	27-APR-98	12:00	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6550	PBOW-98-SO-AA2-SB13-6550-(0001)	27-APR-98	12:00	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6550	PBOW-98-SO-AA2-SB13-6550-(0001)	27-APR-98	12:00	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6550	PBOW-98-SO-AA2-SB13-6550-(0001)	27-APR-98	12:00	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6560	PBOW-98-SO-AA2-SB13-6560-(0910)	27-APR-98	12:20	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6560	PBOW-98-SO-AA2-SB13-6560-(0910)	27-APR-98	12:20	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6560	PBOW-98-SO-AA2-SB13-6560-(0910)	27-APR-98	12:20	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6560	PBOW-98-SO-AA2-SB13-6560-(0910)	27-APR-98	12:20	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8D290142

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA2-042898QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6570	PBOW-98-SO-AA2-SB14-6570-(0001)	27-APR-98	10:50	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6570	PBOW-98-SO-AA2-SB14-6570-(0001)	27-APR-98	10:50	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6570	PBOW-98-SO-AA2-SB14-6570-(0001)	27-APR-98	10:50	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6570	PBOW-98-SO-AA2-SB14-6570-(0001)	27-APR-98	10:50	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6580	PBOW-98-SO-AA2-SB14-6580-(0910)	27-APR-98	11:15	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6580	PBOW-98-SO-AA2-SB14-6580-(0910)	27-APR-98	11:15	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6580	PBOW-98-SO-AA2-SB14-6580-(0910)	27-APR-98	11:15	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6580	PBOW-98-SO-AA2-SB14-6580-(0910)	27-APR-98	11:15	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6590	PBOW-98-SO-AA2-SB15-6590-(0001)	27-APR-98	14:00	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6590	PBOW-98-SO-AA2-SB15-6590-(0001)	27-APR-98	14:00	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6590	PBOW-98-SO-AA2-SB15-6590-(0001)	27-APR-98	14:00	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6590	PBOW-98-SO-AA2-SB15-6590-(0001)	27-APR-98	14:00	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6600	PBOW-98-SO-AA2-SB15-6600-(0910)	27-APR-98	14:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6600	PBOW-98-SO-AA2-SB15-6600-(0910)	27-APR-98	14:30	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6600	PBOW-98-SO-AA2-SB15-6600-(0910)	27-APR-98	14:30	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6600	PBOW-98-SO-AA2-SB15-6600-(0910)	27-APR-98	14:30	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E010146

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 Blanquart DATE: 5/1/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ?	✓		
soil SDG PB--			
* sub aniens → Tampa.!			
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : _____ DATE: 5/1/98

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: I.T. Corp PROJECT: PBOW Lot No.: H8E010146

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: 5/4/98

* Correct SDG sheet not marked. DKD 5-4-98

QA016R7.doc, 01/29/98

H8E010146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Project Number: 773206
Samples Shipment Date: 30-APR-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/801624850524

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: 4/30/98 Time: 1700	1. Received By (Signature/Affiliation) Diane Yange	Date: 5/1/98 Time: 8:45
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: custody seals intact received at 2°C 5/1/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H8E010146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6080	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6080	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6080	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6080	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6090	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6090	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6090	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6090	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6100	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6100	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6100	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6100	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8E010146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		

H8E010146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-	N		

H8E010146

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							846 9056			
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

Quanterra Incorporated
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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 766952

PBOW-Acid Areas
SDG #: PB019

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 11, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB019 : H8E020129

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGVRN	001	6630	05/01/98	08:25
CGVRP	002	6640	05/01/98	08:55
CGVRQ	003	6690	05/01/98	10:30
CGVRR	004	6700	05/01/98	11:00
CGVRV	005	6710	05/01/98	11:15
CGVRW	006	6720	05/01/98	11:40
CGVRX	007	6730	05/01/98	13:30
CGVT0	008	6740	05/01/98	13:55
CGVT1	009	6810	04/30/98	16:40
CGVT3	010	6820	04/30/98	17:15
CGVTD	011	6830	05/01/98	08:40
CGVTG	012	6840	05/01/98	09:05
CGVTK	013	6850	05/01/98	09:10
CGVTP	014	6860	05/01/98	09:30
CGVTV	015	6870	05/01/98	14:05
CGVTW	016	6880	05/01/98	14:30
CGVV0	017	6890	05/01/98	09:40
CGVV3	018	6900	05/01/98	10:00
CGVV4	019	6641	05/01/98	09:15
CGVV9	020	9003	05/01/98	10:00

NOTE(S):

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

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB019

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E060000-191	L	05/02/98	DUPLICATE CHECK
B8E060000-205	L	05/04/98	DUPLICATE CHECK
H8E020129-001		05/02/98	6630
H8E020129-001	D	05/02/98	6630
H8E020129-001	S	05/02/98	6630
H8E020129-001	X	05/02/98	6630 DUP
H8E020129-002		05/02/98	6640
H8E020129-003		05/02/98	6690
H8E020129-004		05/02/98	6700
H8E020129-005		05/02/98	6710
H8E020129-006		05/02/98	6720
H8E020129-007		05/02/98	6730
H8E020129-008		05/02/98	6740
H8E020129-009		05/02/98	6810
H8E020129-010		05/02/98	6820
H8E020129-011		05/02/98	6830
H8E020129-011	D	05/02/98	6830
H8E020129-011	S	05/02/98	6830
H8E020129-012		05/02/98	6840
H8E020129-013		05/02/98	6850
H8E020129-014		05/02/98	6860
H8E020129-015		05/02/98	6870
H8E020129-016		05/02/98	6880
H8E020129-017		05/02/98	6890
H8E020129-018		05/02/98	6900
H8E020129-019		05/02/98	6641
H8E020129-020		05/02/98	9003
H8E050132-004	D	05/05/98	LAB MS/MSD
H8E050132-004	S	05/05/98	LAB MS/MSD
H8E070000-134	L	05/02/98	DUPLICATE CHECK

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB019

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for samples 6860, 6720, 6700, and 6640 were outside control limits. However, re-analysis of the samples resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

Internal standard recoveries for samples 6630 and 6830 were outside control limits. Since the associated matrix spike/matrix spike duplicate for these samples demonstrated similar recoveries, the results are attributed to sample matrix effects.

PCBs

The matrix spike/matrix spike duplicate recoveries for sample 6630 were outside control limits for Aroclor 1260. However, the laboratory control sample showed acceptable results indicating that the analysis was in control, The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Reporting limits for Aroclor 1254 for samples 6630 and 6870 have been elevated due to high concentrations of target analytes, specifically Aroclor 1260.

Metals

The matrix spike/matrix spike duplicate recoveries for sample 6630 were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. 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

Per client request, all samples were analyzed for nitrate and pH outside of holding time criteria.

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Quanterra Incorporated. Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6630

GC/MS Volatiles

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**6.0 J,B**	**6.5**	**ug/kg**
Acetone	ND	26	ug/kg
Carbon disulfide	ND	6.5	ug/kg
1,1-Dichloroethene	ND	6.5	ug/kg
1,1-Dichloroethane	ND	6.5	ug/kg
1,2-Dichloroethene (total)	ND	6.5	ug/kg
Chloroform	ND	6.5	ug/kg
1,2-Dichloroethane	ND	6.5	ug/kg
2-Butanone	ND	26	ug/kg
1,1,1-Trichloroethane	ND	6.5	ug/kg
Carbon tetrachloride	ND	6.5	ug/kg
Bromodichloromethane	ND	6.5	ug/kg
1,2-Dichloropropane	ND	6.5	ug/kg
cis-1,3-Dichloropropene	ND	6.5	ug/kg
Trichloroethene	ND	6.5	ug/kg
Dibromochloromethane	ND	6.5	ug/kg
1,1,2-Trichloroethane	ND	6.5	ug/kg
Benzene	ND	6.5	ug/kg
trans-1,3-Dichloropropene	ND	6.5	ug/kg
Bromoform	ND	6.5	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
2-Hexanone	ND	26	ug/kg
Tetrachloroethene	ND	6.5	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg
Toluene	**8.0**	**6.5**	**ug/kg**
Chlorobenzene	ND	6.5	ug/kg
Ethylbenzene	ND	6.5	ug/kg
Styrene	ND	6.5	ug/kg
Xylenes (total)	ND	6.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6630

GC/MS Volatiles

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6640

GC/MS Volatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.9 J,B**	**6.2**	**ug/kg**
Acetone	**22 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

GC/MS Volatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6640

GC/MS Volatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP202 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.0 J**	**6.2**	**ug/kg**
Acetone	**11 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(64 - 135)
Toluene-d8	114	(77 - 124)
4-Bromofluorobenzene	117	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

GC/MS Volatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

GC/MS Volatiles

Lot-Sample #...: H8E020129-003 **Work Order #...:** CGVRQ102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.0 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

GC/MS Volatiles

Lot-Sample #...: H8E020129-003 **Work Order #...:** CGVRQ102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6700

GC/MS Volatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.1**	**ug/kg**
Acetone	**250**	**24**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

GC/MS Volatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6700

GC/MS Volatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR202 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.1	ug/kg
Acetone	**480**	**24**	**ug/kg**
Carbon disulfide	**4.1 J**	**6.1**	**ug/kg**
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(64 - 135)
Toluene-d8	120	(77 - 124)
4-Bromofluorobenzene	120	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

GC/MS Volatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

GC/MS Volatiles

Lot-Sample #...: H8E020129-005 **Work Order #...:** CGVRV102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**1.9 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

GC/MS Volatiles

Lot-Sample #...: H8E020129-005 **Work Order #...:** CGVRV102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6720

GC/MS Volatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.9 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(64 - 135)
Toluene-d8	119	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

GC/MS Volatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6720

GC/MS Volatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW202 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.6 J**	**6.1**	**ug/kg**
Acetone	**16 J**	**24**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	115	(64 - 135)
Toluene-d8	124	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

GC/MS Volatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

GC/MS Volatiles

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**1.9 J,B**	**5.8**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethene (total)	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Benzene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

GC/MS Volatiles

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6740

GC/MS Volatiles

Lot-Sample #...: H8E020129-008 **Work Order #...:** CGVT0102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	95	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

GC/MS Volatiles

Lot-Sample #...: H8E020129-008 **Work Order #...:** CGVT0102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

GC/MS Volatiles

Lot-Sample #...: H8E020129-009 **Work Order #...:** CGVT1102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	92	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

GC/MS Volatiles

Lot-Sample #...: H8E020129-009 **Work Order #...:** CGVT1102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6820

GC/MS Volatiles

Lot-Sample #...: H8E020129-010 **Work Order #...:** CGVT3102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	5.9	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

GC/MS Volatiles

Lot-Sample #...: H8E020129-010 **Work Order #...:** CGVT3102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

GC/MS Volatiles

Lot-Sample #...: H8E020129-011 **Work Order #...:** CGVTD102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	112	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

GC/MS Volatiles

Lot-Sample #...: H8E020129-011 **Work Order #...:** CGVTD102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

GC/MS Volatiles

Lot-Sample #...: H8E020129-012 **Work Order #...:** CGVTG102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	5.8	ug/kg
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethene (total)	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Benzene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

GC/MS Volatiles

Lot-Sample #...: H8E020129-012 **Work Order #...:** CGVTG102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

GC/MS Volatiles

Lot-Sample #...: H8E020129-013 **Work Order #...:** CGVTK102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.6 J**	**5.9**	**ug/kg**
Acetone	**7.4 J**	**24**	**ug/kg**
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

GC/MS Volatiles

Lot-Sample #...: H8E020129-013 **Work Order #...:** CGVTK102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Volatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.1 J**	**6.2**	**ug/kg**
Acetone	**27**	**25**	**ug/kg**
Carbon disulfide	**23**	**6.2**	**ug/kg**
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	119	(77 - 124)
4-Bromofluorobenzene	119	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Volatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Volatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP202 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.8 J**	**6.2**	**ug/kg**
Acetone	**19 J**	**25**	**ug/kg**
Carbon disulfide	**13**	**6.2**	**ug/kg**
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	115	(77 - 124)
4-Bromofluorobenzene	119	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Volatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

GC/MS Volatiles

Lot-Sample #...: H8E020129-015 **Work Order #...:** CGVTV102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

GC/MS Volatiles

Lot-Sample #...: H8E020129-015 **Work Order #...:** CGVTV102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

GC/MS Volatiles

Lot-Sample #...: H8E020129-016 **Work Order #...:** CGVTW102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	**68**	**24**	**ug/kg**
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

GC/MS Volatiles

Lot-Sample #...: H8E020129-016 **Work Order #...:** CGVTW102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

GC/MS Volatiles

Lot-Sample #...: H8E020129-017 **Work Order #...:** CGVV0102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

GC/MS Volatiles

Lot-Sample #...: H8E020129-017 **Work Order #...:** CGVV0102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

GC/MS Volatiles

Lot-Sample #...: H8E020129-018 **Work Order #...:** CGVV3202 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**40 B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

GC/MS Volatiles

Lot-Sample #...: H8E020129-018 **Work Order #...:** CGVV3202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

GC/MS Volatiles

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV4101 **Matrix.....:** WATER
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	**0.66 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	**1.1**	**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	**0.35 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	94	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

GC/MS Volatiles

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV4101 **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: 9003

GC/MS Volatiles

Lot-Sample #...: H8E020129-020 **Work Order #...:** CGVV9101 **Matrix.....:** WATER
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	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	**1.1**	**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	**0.30 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	99	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9003

GC/MS Volatiles

Lot-Sample #...: H8E020129-020 **Work Order #...:** CGVV9101 **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 #...: PB019 **Work Order #...:** CH3NH101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E120000-109

Prep Date.....: 05/12/98
Analysis Date..: 05/12/98 **Prep Batch #...:** 8132109
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH3NH101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CGVTD111-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E020129-011 CGVTD112-MSD
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1 **% Moisture.....:** 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(64 - 146)**			**SW846 8260A**
	104	**(64 - 146)**	**1.2**	**(0-18)**	**SW846 8260A**
Trichloroethene	**100**	**(41 - 151)**			**SW846 8260A**
	95	**(41 - 151)**	**5.2**	**(0-28)**	**SW846 8260A**
Benzene	**104**	**(74 - 122)**			**SW846 8260A**
	101	**(74 - 122)**	**2.1**	**(0-15)**	**SW846 8260A**
Toluene	**109**	**(69 - 132)**			**SW846 8260A**
	109	**(69 - 132)**	**0.54**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**102**	**(67 - 121)**			**SW846 8260A**
	100	**(67 - 121)**	**2.2**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
	100	(64 - 135)
Toluene-d8	106	(77 - 124)
	106	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)
	109	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH3NH102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E120000-109
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(67 - 137)**	**SW846 8260A**
Benzene	**95**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**101**	**(68 - 126)**	**SW846 8260A**
Toluene	**98**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**98**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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 #...: PB019 **Work Order #...:** CH31X101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-104

Prep Date.....: 05/11/98
Analysis Date..: 05/11/98 **Prep Batch #...:** 8131104
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH31X101 **Matrix.....:** SOLID

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 #...: PB019 **Work Order #...:** CGVRN103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E020129-001 CGVRN104-MSD
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1 **% Moisture.....:** 23

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**109**	**(64 - 146)**			**SW846 8260A**
	110	**(64 - 146)**	**0.62**	**(0-18)**	**SW846 8260A**
Trichloroethene	**101**	**(41 - 151)**			**SW846 8260A**
	101	**(41 - 151)**	**0.82**	**(0-28)**	**SW846 8260A**
Benzene	**105**	**(74 - 122)**			**SW846 8260A**
	105	**(74 - 122)**	**0.09**	**(0-15)**	**SW846 8260A**
Toluene	**110**	**(69 - 132)**			**SW846 8260A**
	112	**(69 - 132)**	**1.4**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**103**	**(67 - 121)**			**SW846 8260A**
	104	**(67 - 121)**	**0.59**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(64 - 135)
	102	(64 - 135)
Toluene-d8	107	(77 - 124)
	106	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)
	107	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH31X102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-104
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**105**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**103**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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 #...: PB019 **Work Order #...:** CH4L0101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-131

Prep Date.....: 05/13/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8133131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**4.2 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	89	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH4L0101 **Matrix.....:** SOLID

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 #...: PB019 **Work Order #...:** CH4L0102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-131
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**90**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**93**	**(68 - 126)**	**SW846 8260A**
Toluene	**91**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**90**	**(72 - 118)**	**SW846 8260A**
1,1-Dichloroethene	**91**	**(67 - 137)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

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 #...: PB019 **Work Order #...:** CH5HE101 **Matrix.....:** WATER
MB Lot-Sample #: H8E140000-135

Prep Date.....: 05/14/98
Analysis Date..: 05/14/98 **Prep Batch #...:** 8134135
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	**0.61 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	98	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB019 **Work Order #...:** CH5HE101 **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 #...: PB019 **Work Order #...:** CH5HE102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E140000-135
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(70 - 137)**	**SW846 8260A**
Benzene	**95**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**96**	**(75 - 129)**	**SW846 8260A**
Toluene	**92**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**94**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	91	(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: 6630

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN105 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	430	ug/kg
bis(2-Chloroethyl) ether	ND	430	ug/kg
2-Chlorophenol	ND	430	ug/kg
1,3-Dichlorobenzene	ND	430	ug/kg
1,4-Dichlorobenzene	ND	430	ug/kg
1,2-Dichlorobenzene	ND	430	ug/kg
2-Methylphenol	ND	430	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	430	ug/kg
4-Methylphenol	ND	430	ug/kg
N-Nitrosodi-n-propylamine	ND	430	ug/kg
Hexachloroethane	ND	430	ug/kg
Nitrobenzene	ND	430	ug/kg
Isophorone	ND	430	ug/kg
2-Nitrophenol	ND	430	ug/kg
2,4-Dimethylphenol	ND	430	ug/kg
bis(2-Chloroethoxy) methane	ND	430	ug/kg
2,4-Dichlorophenol	ND	430	ug/kg
1,2,4-Trichlorobenzene	ND	430	ug/kg
Naphthalene	ND	430	ug/kg
4-Chloroaniline	ND	430	ug/kg
Hexachlorobutadiene	ND	430	ug/kg
4-Chloro-3-methylphenol	ND	430	ug/kg
2-Methylnaphthalene	ND	430	ug/kg
Hexachlorocyclopentadiene	ND	2100	ug/kg
2,4,6-Trichlorophenol	ND	430	ug/kg
2,4,5-Trichlorophenol	ND	430	ug/kg
2-Chloronaphthalene	ND	430	ug/kg
2-Nitroaniline	ND	2100	ug/kg
Dimethyl phthalate	ND	430	ug/kg
Acenaphthylene	**76 J**	**430**	**ug/kg**
2,6-Dinitrotoluene	ND	430	ug/kg
3-Nitroaniline	ND	2100	ug/kg
Acenaphthene	ND	430	ug/kg
2,4-Dinitrophenol	ND	2100	ug/kg
4-Nitrophenol	ND	2100	ug/kg
Dibenzofuran	ND	430	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6630

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	430	ug/kg
Diethyl phthalate	ND	430	ug/kg
4-Chlorophenyl phenyl ether	ND	430	ug/kg
Fluorene	ND	430	ug/kg
4-Nitroaniline	ND	2100	ug/kg
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg
N-Nitrosodiphenylamine	ND	430	ug/kg
4-Bromophenyl phenyl ether	ND	430	ug/kg
Hexachlorobenzene	ND	430	ug/kg
Pentachlorophenol	ND	2100	ug/kg
Phenanthrene	**250 J**	**430**	**ug/kg**
Anthracene	**120 J**	**430**	**ug/kg**
Carbazole	ND	430	ug/kg
Di-n-butyl phthalate	ND	430	ug/kg
Fluoranthene	**700**	**430**	**ug/kg**
Pyrene	**510**	**430**	**ug/kg**
Butyl benzyl phthalate	ND	430	ug/kg
3,3'-Dichlorobenzidine	ND	2100	ug/kg
Benzo(a)anthracene	**410 J**	**430**	**ug/kg**
Chrysene	**410 J**	**430**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	430	ug/kg
Di-n-octyl phthalate	ND	430	ug/kg
Benzo(b)fluoranthene	**420 J**	**430**	**ug/kg**
Benzo(k)fluoranthene	**300 J**	**430**	**ug/kg**
Benzo(a)pyrene	**370 J**	**430**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**240 J**	**430**	**ug/kg**
Dibenz(a,h)anthracene	ND	430	ug/kg
Benzo(ghi)perylene	**250 J**	**430**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	76	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	99	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-003 **Work Order #...:** CGVRQ103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-003 **Work Order #...:** CGVRQ103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	78	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	100	(19 - 122)
Terphenyl-d14	89	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-004 **Work Order #...:** CGVRR103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**140 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	82	(30 - 115)
2,4,6-Tribromophenol	94	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-005 **Work Order #...:** CGVRV103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-005 **Work Order #...:** CGVRV103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**55 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	102	(19 - 122)
Terphenyl-d14	81	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-006 **Work Order #...:** CGVRW103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**45 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	92	(19 - 122)
Terphenyl-d14	81	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	**41 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	97	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-008 **Work Order #...:** CGVT0103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-008 **Work Order #...:** CGVT0103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	66	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	94	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-009 **Work Order #...:** CGVT1103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-009 **Work Order #...:** CGVT1103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	63	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	94	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-010 **Work Order #...:** CGVT3103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-010 **Work Order #...:** CGVT3103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	56	(23 - 120)
2-Fluorobiphenyl	70	(30 - 115)
2,4,6-Tribromophenol	87	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-011 **Work Order #...:** CGVTD103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	**120 J**	**410**	**ug/kg**
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-011 **Work Order #...:** CGVTD103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	**96 J**	**410**	**ug/kg**
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**580**	**410**	**ug/kg**
Anthracene	**120 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**800**	**410**	**ug/kg**
Pyrene	**540**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**280 J**	**410**	**ug/kg**
Chrysene	**340 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**280 J**	**410**	**ug/kg**
Benzo(k)fluoranthene	**300 J**	**410**	**ug/kg**
Benzo(a)pyrene	**280 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**160 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	**160 J**	**410**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	81	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	94	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-012 **Work Order #...:** CGVTG103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-012 **Work Order #...:** CGVTG103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	ND	380	ug/kg
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	ND	380	ug/kg
Pyrene	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	ND	380	ug/kg
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	104	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-013 **Work Order #...:** CGVTK103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-013 **Work Order #...:** CGVTK103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	110	(19 - 122)
Terphenyl-d14	86	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-014 **Work Order #...:** CGVTP103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**120 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	66	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	101	(19 - 122)
Terphenyl-d14	81	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-015 **Work Order #...:** CGVTV103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-015 **Work Order #...:** CGVTV103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**150 J**	**400**	**ug/kg**
Anthracene	**40 J**	**400**	**ug/kg**
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**260 J**	**400**	**ug/kg**
Pyrene	**190 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**110 J**	**400**	**ug/kg**
Chrysene	**110 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**83 J**	**400**	**ug/kg**
Benzo(k)fluoranthene	**110 J**	**400**	**ug/kg**
Benzo(a)pyrene	**100 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**56 J**	**400**	**ug/kg**
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	**56 J**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	110	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-016 **Work Order #...:** CGVTW103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-016 **Work Order #...:** CGVTW103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**50 J**	**400**	**ug/kg**
Pyrene	**35 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	96	(19 - 122)
Terphenyl-d14	79	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-017 **Work Order #...:** CGVV0103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-017 **Work Order #...:** CGVV0103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**52 J**	**400**	**ug/kg**
Pyrene	**41 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(25 - 121)
Phenol-d5	90	(24 - 113)
Nitrobenzene-d5	92	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	45	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-018 **Work Order #...:** CGVV3103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126119
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-018 **Work Order #...:** CGVV3103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(25 - 121)
Phenol-d5	71	(24 - 113)
Nitrobenzene-d5	58	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV4102 **Matrix.....:** WATER
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8126126
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: 6641

GC/MS Semivolatiles

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV4102 **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	78	(27 - 111)
Nitrobenzene-d5	96	(37 - 115)
2-Fluorobiphenyl	87	(43 - 116)
2,4,6-Tribromophenol	95	(27 - 127)
Terphenyl-d14	84	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGXCT101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-119

Prep Date.....: 05/06/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8126119
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGXCT101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	80	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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 #...: PB019 **Work Order #...:** CGVRN106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E020129-001 CGVRN107-MSD
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8126119
Dilution Factor: 1 **% Moisture.....:** 23

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**70**	**(23 - 115)**			**SW846 8270B**
	75	**(23 - 115)**	**6.6**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**73**	**(20 - 118)**			**SW846 8270B**
	82	**(20 - 118)**	**11**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**68**	**(16 - 116)**			**SW846 8270B**
	75	**(16 - 116)**	**9.2**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**66**	**(12 - 126)**			**SW846 8270B**
	72	**(12 - 126)**	**9.5**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**82**	**(19 - 124)**			**SW846 8270B**
	94	**(19 - 124)**	**14**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**78**	**(28 - 119)**			**SW846 8270B**
	85	**(28 - 119)**	**8.4**	**(0-35)**	**SW846 8270B**
Acenaphthene	**77**	**(23 - 125)**			**SW846 8270B**
	86	**(23 - 125)**	**11**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**74**	**(15 - 130)**			**SW846 8270B**
	84	**(15 - 130)**	**12**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**77**	**(26 - 122)**			**SW846 8270B**
	84	**(26 - 122)**	**8.9**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**84**	**(10 - 134)**			**SW846 8270B**
	95	**(10 - 134)**	**12**	**(0-53)**	**SW846 8270B**
Pyrene	**62**	**(28 - 128)**			**SW846 8270B**
	64	**(28 - 128)**	**2.8**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
	78	(25 - 121)
Phenol-d5	72	(24 - 113)
	79	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
	83	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
	91	(30 - 115)
2,4,6-Tribromophenol	101	(19 - 122)
	119	(19 - 122)
Terphenyl-d14	81	(20 - 138)
	92	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGXCT102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-119
Prep Date.....: 05/06/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8126119
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**66**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**70**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**67**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**63**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**72**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**74**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**74**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**86**	**(17 - 117)**	**SW846 8270B**
Pyrene	**80**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
Terphenyl-d14	86	(20 - 138)

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 #...: PB019 **Work Order #...:** CGXD6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E060000-126

Prep Date.....: 05/06/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8126126
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 #...: PB019 **Work Order #...:** CGXD6101 **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	84	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	89	(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 #...: PB019 **Work Order #...:** CGXD6102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E060000-126
Prep Date.....: 05/06/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8126126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**83**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**82**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**108**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**75**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**92**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**80**	**(20 - 123)**	**SW846 8270B**
Pyrene	**87**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	84	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	87	(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: 6630

GC Semivolatiles

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN108 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	43	ug/kg
Aroclor 1221	ND	43	ug/kg
Aroclor 1232	ND	43	ug/kg
Aroclor 1242	ND	43	ug/kg
Aroclor 1248	ND	43	ug/kg
Aroclor 1254	ND G	370	ug/kg
Aroclor 1260	**850**	**43**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	128	(40 - 134)
Decachlorobiphenyl	151	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

GC Semivolatiles

Lot-Sample #...: H8E020129-003 **Work Order #...:** CGVRQ104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(40 - 134)
Decachlorobiphenyl	101	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

GC Semivolatiles

Lot-Sample #...: H8E020129-005 **Work Order #...:** CGVRV104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	130	(40 - 134)
Decachlorobiphenyl	150	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

GC Semivolatiles

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	115	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

GC Semivolatiles

Lot-Sample #...: H8E020129-009 **Work Order #...:** CGVT1104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	111	(40 - 134)
Decachlorobiphenyl	123	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

GC Semivolatiles

Lot-Sample #...: H8E020129-011 **Work Order #...:** CGVTD104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	119	(40 - 134)
Decachlorobiphenyl	114	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

GC Semivolatiles

Lot-Sample #...:	H8E020129-013	**Work Order #...:**	CGVTK104	**Matrix.....:**	SOLID
Date Sampled...:	05/01/98	**Date Received..:**	05/02/98		
Prep Date.....:	05/05/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8125110				
Dilution Factor:	1				
% Moisture.....:	16	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

GC Semivolatiles

Lot-Sample #...: H8E020129-015 **Work Order #...:** CGVTV104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND G	100	ug/kg
Aroclor 1260	**390**	**40**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	118	(40 - 134)
Decachlorobiphenyl	134	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

GC Semivolatiles

Lot-Sample #...:	H8E020129-017	**Work Order #...:**	CGVV0104	**Matrix.....:**	SOLID
Date Sampled...:	05/01/98	**Date Received..:**	05/02/98		
Prep Date.....:	05/05/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8125110				
Dilution Factor:	1				
% Moisture.....:	16	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	121	(40 - 134)
Decachlorobiphenyl	140	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

GC Semivolatiles

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV410U **Matrix.....:** WATER
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
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	77	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGWK5101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E050000-110

Prep Date.....: 05/05/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8125110
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGVRN109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E020129-001 CGVRN10A-MSD
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1 **% Moisture.....:** 23

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**116**	**(52 - 144)**			**SW846 8081**
	102	**(52 - 144)**	**13**	**(0-25)**	**SW846 8081**
Aroclor 1260	**0.0 a**	**(45 - 143)**			**SW846 8081**
	0.0 a	**(45 - 143)**	**0.0**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(40 - 134)
	90	(40 - 134)
Decachlorobiphenyl	136	(38 - 174)
	118	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB019 **Work Order #...:** CGWK5102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E050000-110
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**97**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**88**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

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 #...: PB021 **Work Order #...:** CH0K1101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-134

Prep Date.....: 05/07/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8127134
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	92	(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 #...: PB021 **Work Order #...:** CH0K1102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-134 CH0K1103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(70 - 158)**			**SW846 8081**
	109	**(70 - 158)**	**0.36**	**(0-25)**	**SW846 8081**
Aroclor 1260	**97**	**(70 - 158)**			**SW846 8081**
	98	**(70 - 158)**	**0.89**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
	103	(30 - 133)
Decachlorobiphenyl	103	(30 - 139)
	104	(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: 6630

HPLC

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN10C **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

HPLC

Lot-Sample #...: H8E020129-002 **Work Order #...:** CGVRP105 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8133225
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

HPLC

Lot-Sample #...: H8E020129-019 **Work Order #...:** CGVV410V **Matrix.....:** WATER
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8125154
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)

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E020129 **Work Order #...:** CGWMF101 **Matrix.....:** WATER
MB Lot-Sample #: H8E050000-154

Prep Date.....: 05/05/98
Analysis Date..: 06/01/98 **Prep Batch #...:** 8125154
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	106	(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 #...: H8E020129 **Work Order #...:** CGWMF102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E050000-154
Prep Date.....: 05/05/98 **Analysis Date..:** 06/01/98
Prep Batch #...: 8125154
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**99**	**(67 - 123)**	**SW846 8330**
RDX	**126**	**(85 - 157)**	**SW846 8330**
1,3,5-Trinitrobenzene	**126**	**(80 - 141)**	**SW846 8330**
1,3-Dinitrobenzene	**124**	**(81 - 142)**	**SW846 8330**
Tetryl	**105**	**(55 - 140)**	**SW846 8330**
Nitrobenzene	**121**	**(69 - 140)**	**SW846 8330**
2,4,6-Trinitrotoluene	**106**	**(69 - 146)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**97**	**(75 - 130)**	**SW846 8330**
2,6-Dinitrotoluene	**118**	**(74 - 135)**	**SW846 8330**
2,4-Dinitrotoluene	**116**	**(77 - 135)**	**SW846 8330**
2-Nitrotoluene	**114**	**(58 - 136)**	**SW846 8330**
3-Nitrotoluene	**110**	**(64 - 126)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**114**	**(80 - 131)**	**SW846 8330**
4-Nitrotoluene	**114**	**(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 #....: H8E020129 **Work Order #...:** CH533101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-225

Prep Date.....: 05/13/98
Analysis Date..: 05/22/98 **Prep Batch #...:** 8133225
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
2,6-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
Nitrobenzene	ND	0.25	mg/kg	SW846 8330
1,3,5-Trinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4,6-Trinitrotoluene	ND	0.25	mg/kg	SW846 8330
HMX	ND	0.50	mg/kg	SW846 8330
RDX	ND	0.50	mg/kg	SW846 8330
Tetryl	ND	0.65	mg/kg	SW846 8330
2-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
3-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.25	mg/kg	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E020129
MS Lot-Sample #: H8E020129-001
Date Sampled...: 05/01/98
Prep Date.....: 05/13/98
Prep Batch #...: 8133225
Dilution Factor: 1

Work Order #...: CGVRN10D-MS
CGVRN10E-MSD
Date Received..: 05/02/98
Analysis Date..: 05/23/98
% Moisture.....: 23

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	98	(76 - 120)			SW846 8330
	96	(76 - 120)	2.0	(0-15)	SW846 8330
4-Nitrotoluene	105	(76 - 122)			SW846 8330
	101	(76 - 122)	3.4	(0-25)	SW846 8330
HMX	75	(48 - 125)			SW846 8330
	79	(48 - 125)	4.5	(0-15)	SW846 8330
RDX	84	(61 - 127)			SW846 8330
	86	(61 - 127)	2.5	(0-15)	SW846 8330
1,3,5-Trinitrobenzene	106	(74 - 126)			SW846 8330
	103	(74 - 126)	2.9	(0-15)	SW846 8330
1,3-Dinitrobenzene	102	(71 - 126)			SW846 8330
	99	(71 - 126)	3.2	(0-15)	SW846 8330
Tetryl	103	(32 - 143)			SW846 8330
	96	(32 - 143)	7.2	(0-26)	SW846 8330
Nitrobenzene	100	(76 - 122)			SW846 8330
	98	(76 - 122)	1.6	(0-15)	SW846 8330
2,4,6-Trinitrotoluene	97	(69 - 132)			SW846 8330
	94	(69 - 132)	2.8	(0-15)	SW846 8330
4-Amino-2,6-dinitrotoluen	105	(67 - 127)			SW846 8330
	100	(67 - 127)	4.0	(0-15)	SW846 8330
2,6-Dinitrotoluene	109	(75 - 122)			SW846 8330
	103	(75 - 122)	6.3	(0-15)	SW846 8330
2,4-Dinitrotoluene	101	(75 - 124)			SW846 8330
	99	(75 - 124)	2.0	(0-15)	SW846 8330
2-Nitrotoluene	104	(77 - 125)			SW846 8330
	101	(77 - 125)	3.5	(0-15)	SW846 8330
3-Nitrotoluene	104	(76 - 121)			SW846 8330
	101	(76 - 121)	3.0	(0-15)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(72 - 129)
	100	(72 - 129)

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 #...: H8E020129 **Work Order #...:** CH533102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-225
Prep Date.....: 05/13/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8133225
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**79**	**(65 - 117)**	**SW846 8330**
RDX	**89**	**(75 - 124)**	**SW846 8330**
1,3,5-Trinitrobenzene	**106**	**(78 - 124)**	**SW846 8330**
1,3-Dinitrobenzene	**101**	**(75 - 123)**	**SW846 8330**
Tetryl	**99**	**(40 - 125)**	**SW846 8330**
Nitrobenzene	**100**	**(76 - 122)**	**SW846 8330**
2,4,6-Trinitrotoluene	**97**	**(71 - 132)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**113**	**(75 - 127)**	**SW846 8330**
2,6-Dinitrotoluene	**107**	**(75 - 122)**	**SW846 8330**
2,4-Dinitrotoluene	**102**	**(75 - 124)**	**SW846 8330**
2-Nitrotoluene	**104**	**(77 - 125)**	**SW846 8330**
3-Nitrotoluene	**103**	**(78 - 121)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**99**	**(76 - 120)**	**SW846 8330**
4-Nitrotoluene	**102**	**(76 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	102	(72 - 129)

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: 6630

TOTAL Metals

Lot-Sample #...: H8E020129-001 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 23

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	0.044	0.043	mg/kg	SW846 7471A	05/12-05/13/98	CGVRN12M
		Dilution Factor: 1		Analysis Time..: 07:56		
Prep Batch #...: 8132213						
Aluminum	7320	25.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10F
		Dilution Factor: 1		Analysis Time..: 18:08		
Arsenic	5.9	1.3	mg/kg	SW846 6010A	05/13-05/26/98	CGVRN128
		Dilution Factor: 1		Analysis Time..: 11:18		
Lead	35.7	0.39	mg/kg	SW846 6010A	05/13-05/26/98	CGVRN12C
		Dilution Factor: 1		Analysis Time..: 11:18		
Antimony	ND	7.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10J
		Dilution Factor: 1		Analysis Time..: 18:08		
Barium	64.2	25.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10M
		Dilution Factor: 1		Analysis Time..: 18:08		
Selenium	ND	0.65	mg/kg	SW846 6010A	05/13-05/26/98	CGVRN12F
		Dilution Factor: 1		Analysis Time..: 11:18		
Beryllium	ND	0.65	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10Q
		Dilution Factor: 1		Analysis Time..: 18:08		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-05/26/98	CGVRN12J
		Dilution Factor: 1		Analysis Time..: 11:18		
Cadmium	ND	0.65	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10U
		Dilution Factor: 1		Analysis Time..: 18:08		
Calcium	16300	649	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN10X
		Dilution Factor: 1		Analysis Time..: 18:08		
Chromium	11.4	1.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN112
		Dilution Factor: 1		Analysis Time..: 18:08		
Cobalt	8.7	6.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN115
		Dilution Factor: 1		Analysis Time..: 18:08		
Copper	12.0	3.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN118
		Dilution Factor: 1		Analysis Time..: 18:08		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6630

TOTAL Metals

Lot-Sample #...: H8E020129-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13600	13.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11C
		Dilution Factor: 1		Analysis Time..: 18:08		
Magnesium	4260	649	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11F
		Dilution Factor: 1		Analysis Time..: 18:08		
Manganese	531	1.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11J
		Dilution Factor: 1		Analysis Time..: 18:08		
Nickel	13.9	5.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11M
		Dilution Factor: 1		Analysis Time..: 18:08		
Potassium	ND	649	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11Q
		Dilution Factor: 1		Analysis Time..: 18:08		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11U
		Dilution Factor: 1		Analysis Time..: 18:08		
Sodium	ND	649	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN11X
		Dilution Factor: 1		Analysis Time..: 18:08		
Vanadium	20.7	6.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN122
		Dilution Factor: 1		Analysis Time..: 18:08		
Zinc	41.3	2.6	mg/kg	SW846 6010A	05/13-05/23/98	CGVRN125
		Dilution Factor: 1		Analysis Time..: 18:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

TOTAL Metals

Lot-Sample #...: H8E020129-002 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVRP10W
		Dilution Factor: 1		Analysis Time..: 08:08		
Prep Batch #...: 8132213						
Aluminum	9550	25.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP106
		Dilution Factor: 1		Analysis Time..: 18:38		
Arsenic	5.1	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRP10R
		Dilution Factor: 1		Analysis Time..: 11:40		
Lead	11.3	0.37	mg/kg	SW846 6010A	05/13-05/26/98	CGVRP10T
		Dilution Factor: 1		Analysis Time..: 11:40		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP107
		Dilution Factor: 1		Analysis Time..: 18:38		
Barium	69.8	25.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP108
		Dilution Factor: 1		Analysis Time..: 18:38		
Selenium	0.75	0.62	mg/kg	SW846 6010A	05/13-05/26/98	CGVRP10U
		Dilution Factor: 1		Analysis Time..: 11:40		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP109
		Dilution Factor: 1		Analysis Time..: 18:38		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRP10V
		Dilution Factor: 1		Analysis Time..: 11:40		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10A
		Dilution Factor: 1		Analysis Time..: 18:38		
Calcium	55700	624	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10C
		Dilution Factor: 1		Analysis Time..: 18:38		
Chromium	16.1	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10D
		Dilution Factor: 1		Analysis Time..: 18:38		
Cobalt	12.7	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10E
		Dilution Factor: 1		Analysis Time..: 18:38		
Copper	25.3	3.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10F
		Dilution Factor: 1		Analysis Time..: 18:38		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

TOTAL Metals

Lot-Sample #...: H8E020129-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21100	12.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10G
		Dilution Factor: 1		Analysis Time..: 18:38		
Magnesium	19200	624	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10H
		Dilution Factor: 1		Analysis Time..: 18:38		
Manganese	473	1.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10J
		Dilution Factor: 1		Analysis Time..: 18:38		
Nickel	30.4	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10K
		Dilution Factor: 1		Analysis Time..: 18:38		
Potassium	2080	624	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10L
		Dilution Factor: 1		Analysis Time..: 18:38		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10M
		Dilution Factor: 1		Analysis Time..: 18:38		
Sodium	ND	624	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10N
		Dilution Factor: 1		Analysis Time..: 18:38		
Vanadium	25.9	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10P
		Dilution Factor: 1		Analysis Time..: 18:38		
Zinc	66.7	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVRP10Q
		Dilution Factor: 1		Analysis Time..: 18:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

TOTAL Metals

Lot-Sample #...: H8E020129-003 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	0.049	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVRQ10V
		Dilution Factor: 1		Analysis Time..: 08:11		
Prep Batch #...: 8132213						
Aluminum	10600	24.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ105
		Dilution Factor: 1		Analysis Time..: 18:43		
Arsenic	7.0	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRQ10Q
		Dilution Factor: 1		Analysis Time..: 11:46		
Lead	10.6	0.36	mg/kg	SW846 6010A	05/13-05/26/98	CGVRQ10R
		Dilution Factor: 1		Analysis Time..: 11:46		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ106
		Dilution Factor: 1		Analysis Time..: 18:43		
Barium	84.7	24.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ107
		Dilution Factor: 1		Analysis Time..: 18:43		
Selenium	0.70	0.61	mg/kg	SW846 6010A	05/13-05/26/98	CGVRQ10T
		Dilution Factor: 1		Analysis Time..: 11:46		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ108
		Dilution Factor: 1		Analysis Time..: 18:43		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRQ10U
		Dilution Factor: 1		Analysis Time..: 11:46		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ109
		Dilution Factor: 1		Analysis Time..: 18:43		
Calcium	3510	606	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10A
		Dilution Factor: 1		Analysis Time..: 18:43		
Chromium	15.5	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10C
		Dilution Factor: 1		Analysis Time..: 18:43		
Cobalt	9.3	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10D
		Dilution Factor: 1		Analysis Time..: 18:43		
Copper	18.3	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10E
		Dilution Factor: 1		Analysis Time..: 18:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

TOTAL Metals

Lot-Sample #...: H8E020129-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	15900	12.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10F
		Dilution Factor: 1		Analysis Time..: 18:43		
Magnesium	2770	606	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10G
		Dilution Factor: 1		Analysis Time..: 18:43		
Manganese	205	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10H
		Dilution Factor: 1		Analysis Time..: 18:43		
Nickel	19.1	4.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10J
		Dilution Factor: 1		Analysis Time..: 18:43		
Potassium	775	606	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10K
		Dilution Factor: 1		Analysis Time..: 18:43		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10L
		Dilution Factor: 1		Analysis Time..: 18:43		
Sodium	ND	606	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10M
		Dilution Factor: 1		Analysis Time..: 18:43		
Vanadium	23.9	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10N
		Dilution Factor: 1		Analysis Time..: 18:43		
Zinc	66.6	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVRQ10P
		Dilution Factor: 1		Analysis Time..: 18:43		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

TOTAL Metals

Lot-Sample #...: H8E020129-004 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVRR10U
		Dilution Factor: 1		Analysis Time..: 08:13		
Prep Batch #...: 8132213						
Aluminum	**6840**	**24.3**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR104**
		Dilution Factor: 1		Analysis Time..: 18:48		
Arsenic	**7.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVRR10P**
		Dilution Factor: 1		Analysis Time..: 11:51		
Lead	**9.2**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVRR10Q**
		Dilution Factor: 1		Analysis Time..: 11:51		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR105
		Dilution Factor: 1		Analysis Time..: 18:48		
Barium	**74.4**	**24.3**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR106**
		Dilution Factor: 1		Analysis Time..: 18:48		
Selenium	**0.87**	**0.61**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVRR10R**
		Dilution Factor: 1		Analysis Time..: 11:51		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR107
		Dilution Factor: 1		Analysis Time..: 18:48		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRR10T
		Dilution Factor: 1		Analysis Time..: 11:51		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR108
		Dilution Factor: 1		Analysis Time..: 18:48		
Calcium	**56500**	**608**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR109**
		Dilution Factor: 1		Analysis Time..: 18:48		
Chromium	**12.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR10A**
		Dilution Factor: 1		Analysis Time..: 18:48		
Cobalt	**10.2**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR10C**
		Dilution Factor: 1		Analysis Time..: 18:48		
Copper	**21.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRR10D**
		Dilution Factor: 1		Analysis Time..: 18:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

TOTAL Metals

Lot-Sample #...: H8E020129-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19000	12.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10E
		Dilution Factor: 1		Analysis Time..: 18:48		
Magnesium	15800	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10F
		Dilution Factor: 1		Analysis Time..: 18:48		
Manganese	454	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10G
		Dilution Factor: 1		Analysis Time..: 18:48		
Nickel	23.5	4.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10H
		Dilution Factor: 1		Analysis Time..: 18:48		
Potassium	1430	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10J
		Dilution Factor: 1		Analysis Time..: 18:48		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10K
		Dilution Factor: 1		Analysis Time..: 18:48		
Sodium	ND	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10L
		Dilution Factor: 1		Analysis Time..: 18:48		
Vanadium	21.4	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10M
		Dilution Factor: 1		Analysis Time..: 18:48		
Zinc	61.4	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVRR10N
		Dilution Factor: 1		Analysis Time..: 18:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

TOTAL Metals

Lot-Sample #...: H8E020129-005 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	0.046	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVRV10V
		Dilution Factor: 1		Analysis Time..: 08:15		
Prep Batch #...: 8132213						
Aluminum	8730	24.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV105
		Dilution Factor: 1		Analysis Time..: 18:53		
Arsenic	7.8	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRV10Q
		Dilution Factor: 1		Analysis Time..: 12:08		
Lead	9.8	0.37	mg/kg	SW846 6010A	05/13-05/26/98	CGVRV10R
		Dilution Factor: 1		Analysis Time..: 12:08		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV106
		Dilution Factor: 1		Analysis Time..: 18:53		
Barium	56.7	24.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV107
		Dilution Factor: 1		Analysis Time..: 18:53		
Selenium	0.67	0.61	mg/kg	SW846 6010A	05/13-05/26/98	CGVRV10T
		Dilution Factor: 1		Analysis Time..: 12:08		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV108
		Dilution Factor: 1		Analysis Time..: 18:53		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRV10U
		Dilution Factor: 1		Analysis Time..: 12:08		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV109
		Dilution Factor: 1		Analysis Time..: 18:53		
Calcium	1650	610	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10A
		Dilution Factor: 1		Analysis Time..: 18:53		
Chromium	12.4	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10C
		Dilution Factor: 1		Analysis Time..: 18:53		
Cobalt	15.8	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10D
		Dilution Factor: 1		Analysis Time..: 18:53		
Copper	16.3	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10E
		Dilution Factor: 1		Analysis Time..: 18:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

TOTAL Metals

Lot-Sample #...: H8E020129-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**20200**	**12.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10F**
		Dilution Factor: 1		Analysis Time..: 18:53		
Magnesium	**2140**	**610**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10G**
		Dilution Factor: 1		Analysis Time..: 18:53		
Manganese	**540**	**1.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10H**
		Dilution Factor: 1		Analysis Time..: 18:53		
Nickel	**19.0**	**4.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10J**
		Dilution Factor: 1		Analysis Time..: 18:53		
Potassium	ND	610	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10K
		Dilution Factor: 1		Analysis Time..: 18:53		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10L
		Dilution Factor: 1		Analysis Time..: 18:53		
Sodium	ND	610	mg/kg	SW846 6010A	05/13-05/23/98	CGVRV10M
		Dilution Factor: 1		Analysis Time..: 18:53		
Vanadium	**23.7**	**6.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10N**
		Dilution Factor: 1		Analysis Time..: 18:53		
Zinc	**44.3**	**2.4**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRV10P**
		Dilution Factor: 1		Analysis Time..: 18:53		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

TOTAL Metals

Lot-Sample #...: H8E020129-006 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVRW10U
		Dilution Factor: 1		Analysis Time..: 08:18		
Prep Batch #...: 8132213						
Aluminum	9680	24.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW104
		Dilution Factor: 1		Analysis Time..: 18:58		
Arsenic	10.3	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRW10P
		Dilution Factor: 1		Analysis Time..: 12:13		
Lead	10.3	0.36	mg/kg	SW846 6010A	05/13-05/26/98	CGVRW10Q
		Dilution Factor: 1		Analysis Time..: 12:13		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW105
		Dilution Factor: 1		Analysis Time..: 18:58		
Barium	88.0	24.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW106
		Dilution Factor: 1		Analysis Time..: 18:58		
Selenium	0.72	0.61	mg/kg	SW846 6010A	05/13-05/26/98	CGVRW10R
		Dilution Factor: 1		Analysis Time..: 12:13		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW107
		Dilution Factor: 1		Analysis Time..: 18:58		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRW10T
		Dilution Factor: 1		Analysis Time..: 12:13		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW108
		Dilution Factor: 1		Analysis Time..: 18:58		
Calcium	52000	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW109
		Dilution Factor: 1		Analysis Time..: 18:58		
Chromium	15.2	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10A
		Dilution Factor: 1		Analysis Time..: 18:58		
Cobalt	13.6	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10C
		Dilution Factor: 1		Analysis Time..: 18:58		
Copper	22.5	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10D
		Dilution Factor: 1		Analysis Time..: 18:58		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

TOTAL Metals

Lot-Sample #...: H8E020129-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21500	12.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10E
		Dilution Factor: 1		Analysis Time..: 18:58		
Magnesium	18000	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10F
		Dilution Factor: 1		Analysis Time..: 18:58		
Manganese	580	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10G
		Dilution Factor: 1		Analysis Time..: 18:58		
Nickel	31.5	4.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10H
		Dilution Factor: 1		Analysis Time..: 18:58		
Potassium	1790	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10J
		Dilution Factor: 1		Analysis Time..: 18:58		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10K
		Dilution Factor: 1		Analysis Time..: 18:58		
Sodium	ND	608	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10L
		Dilution Factor: 1		Analysis Time..: 18:58		
Vanadium	26.3	6.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10M
		Dilution Factor: 1		Analysis Time..: 18:58		
Zinc	66.2	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVRW10N
		Dilution Factor: 1		Analysis Time..: 18:58		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

TOTAL Metals

Lot-Sample #...: H8E020129-007 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVRX10V
		Dilution Factor: 1		Analysis Time..: 08:20		
Prep Batch #...: 8132213						
Aluminum	**3960**	**23.4**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX105**
		Dilution Factor: 1		Analysis Time..: 19:03		
Arsenic	**3.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVRX10Q**
		Dilution Factor: 1		Analysis Time..: 12:19		
Lead	**3.6**	**0.35**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVRX10R**
		Dilution Factor: 1		Analysis Time..: 12:19		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX106
		Dilution Factor: 1		Analysis Time..: 19:03		
Barium	**40.5**	**23.4**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX107**
		Dilution Factor: 1		Analysis Time..: 19:03		
Selenium	ND	0.58	mg/kg	SW846 6010A	05/13-05/26/98	CGVRX10T
		Dilution Factor: 1		Analysis Time..: 12:19		
Beryllium	ND	0.58	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX108
		Dilution Factor: 1		Analysis Time..: 19:03		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVRX10U
		Dilution Factor: 1		Analysis Time..: 12:19		
Cadmium	ND	0.58	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX109
		Dilution Factor: 1		Analysis Time..: 19:03		
Calcium	**52200**	**584**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10A**
		Dilution Factor: 1		Analysis Time..: 19:03		
Chromium	**6.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10C**
		Dilution Factor: 1		Analysis Time..: 19:03		
Cobalt	ND	5.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX10D
		Dilution Factor: 1		Analysis Time..: 19:03		
Copper	**4.1**	**2.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10E**
		Dilution Factor: 1		Analysis Time..: 19:03		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

TOTAL Metals

Lot-Sample #...: H8E020129-007 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**6810**	**11.7**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10F**
		Dilution Factor: 1		Analysis Time..: 19:03		
Magnesium	**2240**	**584**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10G**
		Dilution Factor: 1		Analysis Time..: 19:03		
Manganese	**213**	**1.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10H**
		Dilution Factor: 1		Analysis Time..: 19:03		
Nickel	**7.0**	**4.7**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10J**
		Dilution Factor: 1		Analysis Time..: 19:03		
Potassium	ND	584	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX10K
		Dilution Factor: 1		Analysis Time..: 19:03		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX10L
		Dilution Factor: 1		Analysis Time..: 19:03		
Sodium	ND	584	mg/kg	SW846 6010A	05/13-05/23/98	CGVRX10M
		Dilution Factor: 1		Analysis Time..: 19:03		
Vanadium	**14.5**	**5.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10N**
		Dilution Factor: 1		Analysis Time..: 19:03		
Zinc	**21.3**	**2.3**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVRX10P**
		Dilution Factor: 1		Analysis Time..: 19:03		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

TOTAL Metals

Lot-Sample #...: H8E020129-008 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVT010U
		Dilution Factor: 1		Analysis Time..: 08:23		
Prep Batch #...: 8132213						
Aluminum	**2650**	**24.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT0104**
		Dilution Factor: 1		Analysis Time..: 19:08		
Arsenic	**2.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVT010P**
		Dilution Factor: 1		Analysis Time..: 12:24		
Lead	**2.5**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVT010Q**
		Dilution Factor: 1		Analysis Time..: 12:24		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVT0105
		Dilution Factor: 1		Analysis Time..: 19:08		
Barium	ND	24.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVT0106
		Dilution Factor: 1		Analysis Time..: 19:08		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-05/26/98	CGVT010R
		Dilution Factor: 1		Analysis Time..: 12:24		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVT0107
		Dilution Factor: 1		Analysis Time..: 19:08		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVT010T
		Dilution Factor: 1		Analysis Time..: 12:24		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVT0108
		Dilution Factor: 1		Analysis Time..: 19:08		
Calcium	**3250**	**604**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT0109**
		Dilution Factor: 1		Analysis Time..: 19:08		
Chromium	**4.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT010A**
		Dilution Factor: 1		Analysis Time..: 19:08		
Cobalt	ND	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010C
		Dilution Factor: 1		Analysis Time..: 19:08		
Copper	ND	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010D
		Dilution Factor: 1		Analysis Time..: 19:08		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

TOTAL Metals

Lot-Sample #...: H8E020129-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	5720	12.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010E
		Dilution Factor: 1		Analysis Time..: 19:08		
Magnesium	744	604	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010F
		Dilution Factor: 1		Analysis Time..: 19:08		
Manganese	93.4	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010G
		Dilution Factor: 1		Analysis Time..: 19:08		
Nickel	6.2	4.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010H
		Dilution Factor: 1		Analysis Time..: 19:08		
Potassium	ND	604	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010J
		Dilution Factor: 1		Analysis Time..: 19:08		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010K
		Dilution Factor: 1		Analysis Time..: 19:08		
Sodium	ND	604	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010L
		Dilution Factor: 1		Analysis Time..: 19:08		
Vanadium	8.2	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010M
		Dilution Factor: 1		Analysis Time..: 19:08		
Zinc	16.9	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVT010N
		Dilution Factor: 1		Analysis Time..: 19:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

TOTAL Metals

Lot-Sample #...: H8E020129-009 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846	05/12-05/13/98	CGVT110V
		Dilution Factor: 1		Analysis		
Prep Batch #...: 8132213						
Aluminum	7940	24.2	mg/kg	SW846 0A	05/13-05/23/98	CGVT1105
		Dilution Factor: 1		Analysi me..: 19:23		
Arsenic	7.7	1.2	mg/kg	SW8 010A	05/13-05/26/98	CGVT110Q
		Dilution Factor: 1		Anal me..: 12:30		
Lead	8.6	0.36	mg/kg	010A	05/13-05/26/98	CGVT110R
		Dilution Factor: 1		An ime..: 12:30		
Antimony	ND	7.3	mg/kg	6010A	05/13-05/23/98	CGVT1106
		Dilution Factor: 1		s Time..: 19:23		
Barium	41.0	24.2	mg/kg	46 6010A	05/13-05/23/98	CGVT1107
		Dilution Factor: 1		sis Time..: 19:23		
Selenium	ND	0.60	mg/kg	W846 6010A	05/13-05/26/98	CGVT110T
		Dilution Factor: 1		alysis Time..: 12:30		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVT1108
		Dilution Factor: 1		Analysis Time..: 19:23		
Thallium	ND	1.2	mg/	SW846 6010A	05/13-05/26/98	CGVT110U
		Dilution Factor:		Analysis Time..: 12:30		
Cadmium	ND	0.60		SW846 6010A	05/13-05/23/98	CGVT1109
		Dilution Facto		Analysis Time..: 19:23		
Calcium	31300	605	kg	SW846 6010A	05/13-05/23/98	CGVT110A
		Dilution Fa		Analysis Time..: 19:23		
Chromium	11.6	1.2	g/kg	SW846 6010A	05/13-05/23/98	CGVT110C
		Dilution : 1		Analysis Time..: 19:23		
Cobalt	10.6	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVT110D
		Dilut tor:		Analysis Time..: 19:23		
Copper	14.1	3	g	SW846 6010A	05/13-05/23/98	CGVT110E
		Di act		Analysis Time..: 19:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

TOTAL Metals

Lot-Sample #...: H8E020129-009 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**16200**	**12.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT110F**
		Dilution Factor: 1		Analysis Time..: 19:23		
Magnesium	**8900**	**605**	**mg/kg**	**SW846 60**	**05/13-05/23/98**	**CGVT110G**
		Dilution Factor: 1		Analysis 19:23		
Manganese	**388**	**1.8**	**mg/kg**	**SW846**	**05/13-05/23/98**	**CGVT110H**
		Dilution Factor: 1		Analysis .: 19:23		
Nickel	**20.0**	**4.8**	**mg/kg**	**SW846 10A**	**05/13-05/23/98**	**CGVT110J**
		Dilution Factor: 1		Analysi me..: 19:23		
Potassium	**908**	**605**	**mg/kg**	**SW8 010A**	**05/13-05/23/98**	**CGVT110K**
		Dilution Factor: 1		Anal ime..: 19:23		
Silver	ND	1.2	mg/kg	S 010A	05/13-05/23/98	CGVT110L
		Dilution Factor: 1		An Time..: 19:23		
Sodium	ND	605	mg/kg	6010A	05/13-05/23/98	CGVT110M
		Dilution Factor: 1		is Time..: 19:23		
Vanadium	**23.2**	**6.0**	**mg/kg**	**346 6010A**	**05/13-05/23/98**	**CGVT110N**
		Dilution Factor: 1		ysis Time..: 19:23		
Zinc	**44.6**	**2.4**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT110P**
		Dilution Factor: 1		nalysis Time..: 19:23		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

TOTAL Metals

Lot-Sample #...: H8E020129-010 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVT310U
		Dilution Factor: 1		Analysis Time..: 08:27		
Prep Batch #...: 8132213						
Aluminum	**7300**	**23.5**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT3104**
		Dilution Factor: 1		Analysis Time..: 19:28		
Arsenic	**7.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVT310P**
		Dilution Factor: 1		Analysis Time..: 12:35		
Lead	**6.5**	**0.35**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVT310Q**
		Dilution Factor: 1		Analysis Time..: 12:35		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVT3105
		Dilution Factor: 1		Analysis Time..: 19:28		
Barium	**33.8**	**23.5**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT3106**
		Dilution Factor: 1		Analysis Time..: 19:28		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/13-05/26/98	CGVT310R
		Dilution Factor: 1		Analysis Time..: 12:35		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-05/23/98	CGVT3107
		Dilution Factor: 1		Analysis Time..: 19:28		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVT310T
		Dilution Factor: 1		Analysis Time..: 12:35		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-05/23/98	CGVT3108
		Dilution Factor: 1		Analysis Time..: 19:28		
Calcium	**10200**	**588**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT3109**
		Dilution Factor: 1		Analysis Time..: 19:28		
Chromium	**12.3**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT310A**
		Dilution Factor: 1		Analysis Time..: 19:28		
Cobalt	**10.0**	**5.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT310C**
		Dilution Factor: 1		Analysis Time..: 19:28		
Copper	**12.8**	**2.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT310D**
		Dilution Factor: 1		Analysis Time..: 19:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

TOTAL Metals

Lot-Sample #...: H8E020129-010 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**17400**	**11.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVT310E**
		Dilution Factor: 1		Analysis Time..: 19:28		
Magnesium	3890	588	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310F
		Dilution Factor: 1		Analysis Time..: 19:28		
Manganese	301	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310G
		Dilution Factor: 1		Analysis Time..: 19:28		
Nickel	18.5	4.7	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310H
		Dilution Factor: 1		Analysis Time..: 19:28		
Potassium	ND	588	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310J
		Dilution Factor: 1		Analysis Time..: 19:28		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310K
		Dilution Factor: 1		Analysis Time..: 19:28		
Sodium	ND	588	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310L
		Dilution Factor: 1		Analysis Time..: 19:28		
Vanadium	22.5	5.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310M
		Dilution Factor: 1		Analysis Time..: 19:28		
Zinc	39.5	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVT310N
		Dilution Factor: 1		Analysis Time..: 19:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

TOTAL Metals

Lot-Sample #...: H8E020129-011 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	0.042	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVTD10V
		Dilution Factor: 1		Analysis Time..: 08:30		
Prep Batch #...: 8132213						
Aluminum	6190	24.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD105
		Dilution Factor: 1		Analysis Time..: 19:33		
Arsenic	4.6	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTD10Q
		Dilution Factor: 1		Analysis Time..: 12:41		
Lead	10.4	0.37	mg/kg	SW846 6010A	05/13-05/26/98	CGVTD10R
		Dilution Factor: 1		Analysis Time..: 12:41		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD106
		Dilution Factor: 1		Analysis Time..: 19:33		
Barium	57.8	24.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD107
		Dilution Factor: 1		Analysis Time..: 19:33		
Selenium	1.0	0.62	mg/kg	SW846 6010A	05/13-05/26/98	CGVTD10T
		Dilution Factor: 1		Analysis Time..: 12:41		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD108
		Dilution Factor: 1		Analysis Time..: 19:33		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTD10U
		Dilution Factor: 1		Analysis Time..: 12:41		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD109
		Dilution Factor: 1		Analysis Time..: 19:33		
Calcium	4620	620	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10A
		Dilution Factor: 1		Analysis Time..: 19:33		
Chromium	8.9	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10C
		Dilution Factor: 1		Analysis Time..: 19:33		
Cobalt	6.4	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10D
		Dilution Factor: 1		Analysis Time..: 19:33		
Copper	11.3	3.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10E
		Dilution Factor: 1		Analysis Time..: 19:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

TOTAL Metals

Lot-Sample #...: H8E020129-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	11100	12.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10F
		Dilution Factor: 1		Analysis Time..: 19:33		
Magnesium	1270	620	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10G
		Dilution Factor: 1		Analysis Time..: 19:33		
Manganese	182	1.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10H
		Dilution Factor: 1		Analysis Time..: 19:33		
Nickel	10	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10J
		Dilution Factor: 1		Analysis Time..: 19:33		
Potassium	ND	620	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10K
		Dilution Factor: 1		Analysis Time..: 19:33		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10L
		Dilution Factor: 1		Analysis Time..: 19:33		
Sodium	ND	620	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10M
		Dilution Factor: 1		Analysis Time..: 19:33		
Vanadium	16.7	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10N
		Dilution Factor: 1		Analysis Time..: 19:33		
Zinc	36.0	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVTD10P
		Dilution Factor: 1		Analysis Time..: 19:33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

TOTAL Metals

Lot-Sample #...: H8E020129-012 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.038	mg/kg	SW846 7471A	05/12-05/13/98	CGVTG10U
		Dilution Factor: 1		Analysis Time..: 08:37		
Prep Batch #...: 8132213						
Aluminum	**5790**	**23.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG104**
		Dilution Factor: 1		Analysis Time..: 19:38		
Arsenic	**5.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTG10P**
		Dilution Factor: 1		Analysis Time..: 12:47		
Lead	**6.8**	**0.35**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTG10Q**
		Dilution Factor: 1		Analysis Time..: 12:47		
Antimony	ND	6.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG105
		Dilution Factor: 1		Analysis Time..: 19:38		
Barium	**39.5**	**23.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG106**
		Dilution Factor: 1		Analysis Time..: 19:38		
Selenium	ND	0.58	mg/kg	SW846 6010A	05/13-05/26/98	CGVTG10R
		Dilution Factor: 1		Analysis Time..: 12:47		
Beryllium	ND	0.58	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG107
		Dilution Factor: 1		Analysis Time..: 19:38		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTG10T
		Dilution Factor: 1		Analysis Time..: 12:47		
Cadmium	ND	0.58	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG108
		Dilution Factor: 1		Analysis Time..: 19:38		
Calcium	**3240**	**578**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG109**
		Dilution Factor: 1		Analysis Time..: 19:38		
Chromium	**10**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG10A**
		Dilution Factor: 1		Analysis Time..: 19:38		
Cobalt	**8.3**	**5.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG10C**
		Dilution Factor: 1		Analysis Time..: 19:38		
Copper	**11.2**	**2.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTG10D**
		Dilution Factor: 1		Analysis Time..: 19:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

TOTAL Metals

Lot-Sample #...: H8E020129-012 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14800	11.6	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10E
		Dilution Factor: 1		Analysis Time..: 19:38		
Magnesium	1810	578	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10F
		Dilution Factor: 1		Analysis Time..: 19:38		
Manganese	173	1.7	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10G
		Dilution Factor: 1		Analysis Time..: 19:38		
Nickel	15.7	4.6	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10I
		Dilution Factor: 1		Analysis Time..: 19:38		
Potassium	ND	578	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10J
		Dilution Factor: 1		Analysis Time..: 19:38		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10K
		Dilution Factor: 1		Analysis Time..: 19:38		
Sodium	ND	578	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10L
		Dilution Factor: 1		Analysis Time..: 19:38		
Vanadium	18.7	5.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10M
		Dilution Factor: 1		Analysis Time..: 19:38		
Zinc	39.5	2.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVTG10N
		Dilution Factor: 1		Analysis Time..: 19:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

TOTAL Metals

Lot-Sample #...: H8E020129-013 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVTK10V
		Dilution Factor: 1		Analysis Time..: 08:39		
Prep Batch #...: 8132213						
Aluminum	7700	23.7	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK105
		Dilution Factor: 1		Analysis Time..: 19:43		
Arsenic	6.0	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTK10C
		Dilution Factor: 1		Analysis Time..: 12:52		
Lead	9.8	0.36	mg/kg	SW846 6010A	05/13-05/26/98	CGVTK10R
		Dilution Factor: 1		Analysis Time..: 12:52		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK106
		Dilution Factor: 1		Analysis Time..: 19:43		
Barium	53.3	23.7	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK107
		Dilution Factor: 1		Analysis Time..: 19:43		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/13-05/26/98	CGVTK10T
		Dilution Factor: 1		Analysis Time..: 12:52		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK108
		Dilution Factor: 1		Analysis Time..: 19:43		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTK10U
		Dilution Factor: 1		Analysis Time..: 12:52		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK109
		Dilution Factor: 1		Analysis Time..: 19:43		
Calcium	48400	592	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10A
		Dilution Factor: 1		Analysis Time..: 19:43		
Chromium	12.1	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10C
		Dilution Factor: 1		Analysis Time..: 19:43		
Cobalt	17.1	5.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10D
		Dilution Factor: 1		Analysis Time..: 19:43		
Copper	20.5	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10E
		Dilution Factor: 1		Analysis Time..: 19:43		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

TOTAL Metals

Lot-Sample #...: H8E020129-013 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**21100**	**11.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10F**
		Dilution Factor: 1		Analysis Time..: 19:43		
Magnesium	**13400**	**592**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10G**
		Dilution Factor: 1		Analysis Time..: 19:43		
Manganese	**814**	**1.8**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10H**
		Dilution Factor: 1		Analysis Time..: 19:43		
Nickel	**34.9**	**4.7**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10J**
		Dilution Factor: 1		Analysis Time..: 19:43		
Potassium	**945**	**592**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10K**
		Dilution Factor: 1		Analysis Time..: 19:43		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10L
		Dilution Factor: 1		Analysis Time..: 19:43		
Sodium	ND	592	mg/kg	SW846 6010A	05/13-05/23/98	CGVTK10M
		Dilution Factor: 1		Analysis Time..: 19:43		
Vanadium	**25.9**	**5.9**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10N**
		Dilution Factor: 1		Analysis Time..: 19:43		
Zinc	**61.3**	**2.4**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTK10P**
		Dilution Factor: 1		Analysis Time..: 19:43		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

TOTAL Metals

Lot-Sample #...: H8E020129-014 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVTP10U
		Dilution Factor: 1		Analysis Time..: 08:42		
Prep Batch #...: 8132213						
Aluminum	9690	24.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP104
		Dilution Factor: 1		Analysis Time..: 19:48		
Arsenic	10.8	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTP10P
		Dilution Factor: 1		Analysis Time..: 12:58		
Lead	10.1	0.37	mg/kg	SW846 6010A	05/13-05/26/98	CGVTP10Q
		Dilution Factor: 1		Analysis Time..: 12:58		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP105
		Dilution Factor: 1		Analysis Time..: 19:48		
Barium	58.6	24.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP106
		Dilution Factor: 1		Analysis Time..: 19:48		
Selenium	0.66	0.62	mg/kg	SW846 6010A	05/13-05/26/98	CGVTP10R
		Dilution Factor: 1		Analysis Time..: 12:58		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP107
		Dilution Factor: 1		Analysis Time..: 19:48		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTP10T
		Dilution Factor: 1		Analysis Time..: 12:58		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP108
		Dilution Factor: 1		Analysis Time..: 19:48		
Calcium	43900	619	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP109
		Dilution Factor: 1		Analysis Time..: 19:48		
Chromium	14.8	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10A
		Dilution Factor: 1		Analysis Time..: 19:48		
Cobalt	12.4	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10C
		Dilution Factor: 1		Analysis Time..: 19:48		
Copper	19.3	3.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10D
		Dilution Factor: 1		Analysis Time..: 19:48		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

TOTAL Metals

Lot-Sample #...: H8E020129-014 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19800	12.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10E
		Dilution Factor: 1		Analysis Time..: 19:48		
Magnesium	13200	619	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10F
		Dilution Factor: 1		Analysis Time..: 19:48		
Manganese	489	1.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10G
		Dilution Factor: 1		Analysis Time..: 19:48		
Nickel	25.7	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10H
		Dilution Factor: 1		Analysis Time..: 19:48		
Potassium	1480	619	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10J
		Dilution Factor: 1		Analysis Time..: 19:48		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10K
		Dilution Factor: 1		Analysis Time..: 19:48		
Sodium	ND	619	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10L
		Dilution Factor: 1		Analysis Time..: 19:48		
Vanadium	27.7	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10M
		Dilution Factor: 1		Analysis Time..: 19:48		
Zinc	57.9	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVTP10N
		Dilution Factor: 1		Analysis Time..: 19:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

TOTAL Metals

Lot-Sample #...: H8E020129-015 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVTV10V
		Dilution Factor: 1		Analysis Time..: 08:44		
Prep Batch #...: 8132213						
Aluminum	**5990**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTV105**
		Dilution Factor: 1		Analysis Time..: 19:53		
Arsenic	**2.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTV10Q**
		Dilution Factor: 1		Analysis Time..: 13:14		
Lead	**6.0**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTV10R**
		Dilution Factor: 1		Analysis Time..: 13:14		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV106
		Dilution Factor: 1		Analysis Time..: 19:53		
Barium	ND	24.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV107
		Dilution Factor: 1		Analysis Time..: 19:53		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-05/26/98	CGVTV10T
		Dilution Factor: 1		Analysis Time..: 13:14		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV108
		Dilution Factor: 1		Analysis Time..: 19:53		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTV10U
		Dilution Factor: 1		Analysis Time..: 13:14		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV109
		Dilution Factor: 1		Analysis Time..: 19:53		
Calcium	**2400**	**599**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTV10A**
		Dilution Factor: 1		Analysis Time..: 19:53		
Chromium	**7.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTV10C**
		Dilution Factor: 1		Analysis Time..: 19:53		
Cobalt	ND	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10D
		Dilution Factor: 1		Analysis Time..: 19:53		
Copper	**4.2**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTV10E**
		Dilution Factor: 1		Analysis Time..: 19:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

TOTAL Metals

Lot-Sample #...: H8E020129-015 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	9180	12.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10F
		Dilution Factor: 1		Analysis Time..: 19:53		
Magnesium	992	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10G
		Dilution Factor: 1		Analysis Time..: 19:53		
Manganese	51.9	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10H
		Dilution Factor: 1		Analysis Time..: 19:53		
Nickel	6.8	4.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10J
		Dilution Factor: 1		Analysis Time..: 19:53		
Potassium	ND	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10K
		Dilution Factor: 1		Analysis Time..: 19:53		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10L
		Dilution Factor: 1		Analysis Time..: 19:53		
Sodium	ND	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10M
		Dilution Factor: 1		Analysis Time..: 19:53		
Vanadium	14.3	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10N
		Dilution Factor: 1		Analysis Time..: 19:53		
Zinc	23.2	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTV10P
		Dilution Factor: 1		Analysis Time..: 19:53		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

TOTAL Metals

Lot-Sample #...: H8E020129-016 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVTW10U
		Dilution Factor: 1		Analysis Time..: 08:47		
Prep Batch #...: 8132213						
Aluminum	**11100**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW104**
		Dilution Factor: 1		Analysis Time..: 19:58		
Arsenic	**11.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTW10P**
		Dilution Factor: 1		Analysis Time..: 13:20		
Lead	**12.0**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTW10Q**
		Dilution Factor: 1		Analysis Time..: 13:20		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW105
		Dilution Factor: 1		Analysis Time..: 19:58		
Barium	**79.8**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW106**
		Dilution Factor: 1		Analysis Time..: 19:58		
Selenium	**0.81**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVTW10R**
		Dilution Factor: 1		Analysis Time..: 13:20		
Beryllium	**0.67**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW107**
		Dilution Factor: 1		Analysis Time..: 19:58		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVTW10T
		Dilution Factor: 1		Analysis Time..: 13:20		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW108
		Dilution Factor: 1		Analysis Time..: 19:58		
Calcium	**4240**	**601**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW109**
		Dilution Factor: 1		Analysis Time..: 19:58		
Chromium	**16.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW10A**
		Dilution Factor: 1		Analysis Time..: 19:58		
Cobalt	**18.1**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW10C**
		Dilution Factor: 1		Analysis Time..: 19:58		
Copper	**23.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW10D**
		Dilution Factor: 1		Analysis Time..: 19:58		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

TOTAL Metals

Lot-Sample #...: H8E020129-016 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**28500**	**12.0**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVTW10E**
		Dilution Factor: 1		Analysis Time..: 19:58		
Magnesium	3590	601	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10F
		Dilution Factor: 1		Analysis Time..: 19:58		
Manganese	1120	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10G
		Dilution Factor: 1		Analysis Time..: 19:58		
Nickel	39.8	4.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10H
		Dilution Factor: 1		Analysis Time..: 19:58		
Potassium	839	601	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10J
		Dilution Factor: 1		Analysis Time..: 19:58		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10K
		Dilution Factor: 1		Analysis Time..: 19:58		
Sodium	ND	601	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10L
		Dilution Factor: 1		Analysis Time..: 19:58		
Vanadium	31.5	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10M
		Dilution Factor: 1		Analysis Time..: 19:58		
Zinc	68.7	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVTW10N
		Dilution Factor: 1		Analysis Time..: 19:58		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

TOTAL Metals

Lot-Sample #...: H8E020129-017 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVV010V
		Dilution Factor: 1		Analysis Time..: 08:49		
Prep Batch #...: 8132213						
Aluminum	5720	24.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV0105
		Dilution Factor: 1		Analysis Time..: 20:03		
Arsenic	6.0	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVV010Q
		Dilution Factor: 1		Analysis Time..: 13:25		
Lead	12.6	0.36	mg/kg	SW846 6010A	05/13-05/26/98	CGVV010R
		Dilution Factor: 1		Analysis Time..: 13:25		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVV0106
		Dilution Factor: 1		Analysis Time..: 20:03		
Barium	31.9	24.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV0107
		Dilution Factor: 1		Analysis Time..: 20:03		
Selenium	0.60	0.60	mg/kg	SW846 6010A	05/13-05/26/98	CGVV010T
		Dilution Factor: 1		Analysis Time..: 13:25		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVV0108
		Dilution Factor: 1		Analysis Time..: 20:03		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVV010U
		Dilution Factor: 1		Analysis Time..: 13:25		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-05/23/98	CGVV0109
		Dilution Factor: 1		Analysis Time..: 20:03		
Calcium	22700	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010A
		Dilution Factor: 1		Analysis Time..: 20:03		
Chromium	8.4	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010C
		Dilution Factor: 1		Analysis Time..: 20:03		
Cobalt	6.7	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010D
		Dilution Factor: 1		Analysis Time..: 20:03		
Copper	9.7	3.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010E
		Dilution Factor: 1		Analysis Time..: 20:03		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

TOTAL Metals

Lot-Sample #...: H8E020129-017 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	11100	12.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010F
		Dilution Factor: 1		Analysis Time..: 20:03		
Magnesium	6500	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010G
		Dilution Factor: 1		Analysis Time..: 20:03		
Manganese	224	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010H
		Dilution Factor: 1		Analysis Time..: 20:03		
Nickel	12.2	4.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010J
		Dilution Factor: 1		Analysis Time..: 20:03		
Potassium	ND	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010K
		Dilution Factor: 1		Analysis Time..: 20:03		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010L
		Dilution Factor: 1		Analysis Time..: 20:03		
Sodium	ND	599	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010M
		Dilution Factor: 1		Analysis Time..: 20:03		
Vanadium	17.0	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010N
		Dilution Factor: 1		Analysis Time..: 20:03		
Zinc	51.8	2.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVV010P
		Dilution Factor: 1		Analysis Time..: 20:03		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

TOTAL Metals

Lot-Sample #...: H8E020129-018 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVV310U
		Dilution Factor: 1		Analysis Time..: 08:51		
Prep Batch #...: 8132213						
Aluminum	**5620**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV3104**
		Dilution Factor: 1		Analysis Time..: 20:08		
Arsenic	**16.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVV310P**
		Dilution Factor: 1		Analysis Time..: 13:31		
Lead	**7.0**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-05/26/98**	**CGVV310Q**
		Dilution Factor: 1		Analysis Time..: 13:31		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVV3105
		Dilution Factor: 1		Analysis Time..: 20:08		
Barium	**41.2**	**24.7**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV3106**
		Dilution Factor: 1		Analysis Time..: 20:08		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-05/26/98	CGVV310R
		Dilution Factor: 1		Analysis Time..: 13:31		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVV3107
		Dilution Factor: 1		Analysis Time..: 20:08		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVV310T
		Dilution Factor: 1		Analysis Time..: 13:31		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVV3108
		Dilution Factor: 1		Analysis Time..: 20:08		
Calcium	**59400**	**618**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV3109**
		Dilution Factor: 1		Analysis Time..: 20:08		
Chromium	**10.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV310A**
		Dilution Factor: 1		Analysis Time..: 20:08		
Cobalt	**8.2**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV310C**
		Dilution Factor: 1		Analysis Time..: 20:08		
Copper	**14.8**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-05/23/98**	**CGVV310D**
		Dilution Factor: 1		Analysis Time..: 20:08		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

TOTAL Metals

Lot-Sample #...: H8E020129-018 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	16200	12.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310E
		Dilution Factor: 1		Analysis Time..: 20:08		
Magnesium	15800	618	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310F
		Dilution Factor: 1		Analysis Time..: 20:08		
Manganese	326	1.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310G
		Dilution Factor: 1		Analysis Time..: 20:08		
Nickel	16.7	4.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310H
		Dilution Factor: 1		Analysis Time..: 20:08		
Potassium	1190	618	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310J
		Dilution Factor: 1		Analysis Time..: 20:08		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310K
		Dilution Factor: 1		Analysis Time..: 20:08		
Sodium	ND	618	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310L
		Dilution Factor: 1		Analysis Time..: 20:08		
Vanadium	20.5	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310M
		Dilution Factor: 1		Analysis Time..: 20:08		
Zinc	45.5	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVV310N
		Dilution Factor: 1		Analysis Time..: 20:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

TOTAL Metals

Lot-Sample #...: H8E020129-019 Matrix.....: WATER
Date Sampled...: 05/01/98 Date Received..: 05/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGVV4103
		Dilution Factor: 1		Analysis Time..: 18:30		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGVV410N
		Dilution Factor: 1		Analysis Time..: 19:34		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGVV410P
		Dilution Factor: 1		Analysis Time..: 19:34		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV4104
		Dilution Factor: 1		Analysis Time..: 18:30		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGVV4105
		Dilution Factor: 1		Analysis Time..: 18:30		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGVV410Q
		Dilution Factor: 1		Analysis Time..: 19:34		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV4106
		Dilution Factor: 1		Analysis Time..: 18:30		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGVV410R
		Dilution Factor: 1		Analysis Time..: 19:34		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV4107
		Dilution Factor: 1		Analysis Time..: 18:30		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVV4108
		Dilution Factor: 1		Analysis Time..: 18:30		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV4109
		Dilution Factor: 1		Analysis Time..: 18:30		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410A
		Dilution Factor: 1		Analysis Time..: 18:30		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410C
		Dilution Factor: 1		Analysis Time..: 18:30		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGVV410D
		Dilution Factor: 1		Analysis Time..: 18:30		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6641

TOTAL Metals

Lot-Sample #...: H8E020129-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVV410E
		Dilution Factor: 1		Analysis Time..: 18:30		
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410F
		Dilution Factor: 1		Analysis Time..: 18:30		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410G
		Dilution Factor: 1		Analysis Time..: 18:30		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVV410H
		Dilution Factor: 1		Analysis Time..: 18:30		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410J
		Dilution Factor: 1		Analysis Time..: 18:30		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVV410K
		Dilution Factor: 1		Analysis Time..: 18:30		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410L
		Dilution Factor: 1		Analysis Time..: 18:30		
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CGVV410M
		Dilution Factor: 1		Analysis Time..: 18:30		
Prep Batch #...: 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGVV410T
		Dilution Factor: 1		Analysis Time..: 09:48		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E110000-287 **Prep Batch #...:** 8131287						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/12-05/13/98	CH3GG101
		Dilution Factor: 1				
		Analysis Time..: 07:49				
MB Lot-Sample #: H8E120000-213 **Prep Batch #...:** 8132213						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10J
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10E
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10K
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Lead	ND	0.30	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10F
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Barium	ND	20.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10L
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10G
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10M
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10H
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10N
		Dilution Factor: 1				
		Analysis Time..: 17:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10P
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M101
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M102
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Copper	ND	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CH45M103
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Iron	ND	10.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M104
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Magnesium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M105
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/13-05/23/98	CH45M106
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M107
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Potassium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M108
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Silver	ND	1.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M109
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Sodium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10A
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10C
		Dilution Factor: 1				
		Analysis Time..: 17:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10D

Dilution Factor: 1

Analysis Time..: 17:54

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E150000-135 **Prep Batch #...:** 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210H
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210D
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210J
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210E
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210K
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210F
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210L
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210G
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210M
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H210N
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210P
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2101
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2102
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CH6H2103
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2104
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2105
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2106
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2107
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2108
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2109
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210A
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210C
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E180000-109 **Prep Batch #...:** 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CH8AX101
		Dilution Factor: 1				
		Analysis Time..: 09:38				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E020129-001 **Prep Batch #...:** 8131287							
Mercury	96	(55 - 130)			SW846 7471A	05/12-05/13/98	CGVRN12N
	96	(55 - 130)	0.0	(0-20)	SW846 7471A	05/12-05/13/98	CGVRN12P
		Dilution Factor: 1					
		Analysis Time..: 07:59					
MS Lot-Sample #: H8E020129-001 **Prep Batch #...:** 8132213							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN10G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/23/98	CGVRN10H
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Arsenic	86	(80 - 120)			SW846 6010A	05/13-05/26/98	CGVRN129
	90	(80 - 120)	4.9	(0-20)	SW846 6010A	05/13-05/26/98	CGVRN12A
		Dilution Factor: 1					
		Analysis Time..: 11:24					
Antimony	59 N	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN10K
	58 N	(80 - 120)	2.4	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN10L
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Lead	89	(80 - 120)			SW846 6010A	05/13-05/26/98	CGVRN12D
	68 N	(80 - 120)	16	(0-20)	SW846 6010A	05/13-05/26/98	CGVRN12E
		Dilution Factor: 1					
		Analysis Time..: 11:24					
Barium	90	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN10N
	97	(80 - 120)	5.6	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN10P
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Selenium	83	(80 - 120)			SW846 6010A	05/13-05/26/98	CGVRN12G
	88	(80 - 120)	5.4	(0-20)	SW846 6010A	05/13-05/26/98	CGVRN12H
		Dilution Factor: 1					
		Analysis Time..: 11:24					
Beryllium	103	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN10R
	108	(80 - 120)	5.5	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN10T
		Dilution Factor: 1					
		Analysis Time..: 18:23					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	82	(80 - 120)			SW846 6010A	05/13-05/26/98	CGVRN12K
	87	(80 - 120)	5.1	(0-20)	SW846 6010A	05/13-05/26/98	CGVRN12L
		Dilution Factor: 1					
		Analysis Time..: 11:24					
Cadmium	92	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN10V
	101	(80 - 120)	9.2	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN10W
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Calcium	136 N	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN110
	148 N	(80 - 120)	3.0	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN111
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Chromium	103	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN113
	110	(80 - 120)	5.1	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN114
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Cobalt	87	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN116
	92	(80 - 120)	5.0	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN117
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Copper	84	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN119
	91	(80 - 120)	5.4	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11A
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11E
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Magnesium	98	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11G
	103	(80 - 120)	2.7	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11H
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Manganese	NC,MSB	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11K
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11L
		Dilution Factor: 1					
		Analysis Time..: 18:23					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	90	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11N
	96	(80 - 120)	5.5	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11P
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Potassium	103	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11R
	108	(80 - 120)	4.1	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11T
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Silver	84	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN11V
	87	(80 - 120)	3.8	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN11W
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Sodium	92	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN120
	96	(80 - 120)	4.6	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN121
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Vanadium	104	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN123
	110	(80 - 120)	4.6	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN124
		Dilution Factor: 1					
		Analysis Time..: 18:23					
Zinc	98	(80 - 120)			SW846 6010A	05/13-05/23/98	CGVRN126
	109	(80 - 120)	6.6	(0-20)	SW846 6010A	05/13-05/23/98	CGVRN127
		Dilution Factor: 1					
		Analysis Time..: 18:23					

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.

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.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E110000-287 **Prep Batch #...:** 8131287					
Mercury	102	(80 - 120)	SW846 7471A	05/12-05/13/98	CH3GG102
		Dilution Factor: 1			
		Analysis Time..: 07:52			
LCS Lot-Sample#: H8E120000-213 **Prep Batch #...:** 8132213					
Chromium	100	(87 - 118)	SW846 6010A	05/13-05/23/98	CH45M10Q
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Cobalt	94	(87 - 110)	SW846 6010A	05/13-05/23/98	CH45M10R
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Copper	89	(86 - 111)	SW846 6010A	05/13-05/23/98	CH45M10T
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Iron	92	(87 - 120)	SW846 6010A	05/13-05/23/98	CH45M10U
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Magnesium	97	(86 - 119)	SW846 6010A	05/13-05/23/98	CH45M10V
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Manganese	94	(89 - 112)	SW846 6010A	05/13-05/23/98	CH45M10W
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Nickel	97	(88 - 115)	SW846 6010A	05/13-05/23/98	CH45M10X
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Antimony	92	(86 - 119)	SW846 6010A	05/13-05/23/98	CH45M11A
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Barium	94	(88 - 110)	SW846 6010A	05/13-05/23/98	CH45M11C
		Dilution Factor: 1			
		Analysis Time..: 17:58			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	99	(80 - 118)	SW846 6010A	05/13-05/23/98	CH45M11D
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Cadmium	97	(80 - 113)	SW846 6010A	05/13-05/23/98	CH45M11E
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Calcium	98	(84 - 117)	SW846 6010A	05/13-05/23/98	CH45M11F
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Potassium	96	(83 - 113)	SW846 6010A	05/13-05/23/98	CH45M110
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Silver	90	(80 - 117)	SW846 6010A	05/13-05/23/98	CH45M111
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Sodium	97	(85 - 115)	SW846 6010A	05/13-05/23/98	CH45M112
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Vanadium	98	(89 - 113)	SW846 6010A	05/13-05/23/98	CH45M113
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Zinc	94	(89 - 118)	SW846 6010A	05/13-05/23/98	CH45M114
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Arsenic	94	(83 - 110)	SW846 6010A	05/13-05/26/98	CH45M115
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Lead	96	(84 - 110)	SW846 6010A	05/13-05/26/98	CH45M116
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Selenium	91	(80 - 110)	SW846 6010A	05/13-05/26/98	CH45M117
		Dilution Factor: 1			
		Analysis Time..: 11:07			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	91	(83 - 110)	SW846 6010A	05/13-05/26/98	CH45M118
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Aluminum	98	(89 - 119)	SW846 6010A	05/13-05/23/98	CH45M119
		Dilution Factor: 1			
		Analysis Time..: 17:58			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E150000-135 **Prep Batch #...:** 8135135					
Cobalt	101	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210Q
Copper	96	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210R
Iron	94	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210T
Magnesium	107	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210U
Manganese	102	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210V
Nickel	104	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210W
Potassium	106	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210X
Barium	99	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211A
Beryllium	108	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211C
Cadmium	112	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211D

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	104	(82 - 120)	SW846 6010A	05/15-05/22/98	CH6H211E
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Chromium	106	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H211F
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Silver	103	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H2110
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Sodium	103	(82 - 114)	SW846 6010A	05/15-05/22/98	CH6H2111
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Vanadium	102	(88 - 117)	SW846 6010A	05/15-05/22/98	CH6H2112
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Zinc	107	(85 - 120)	SW846 6010A	05/15-05/22/98	CH6H2113
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Arsenic	94	(82 - 110)	SW846 6010A	05/15-05/23/98	CH6H2114
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Lead	93	(81 - 111)	SW846 6010A	05/15-05/23/98	CH6H2115
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Selenium	97	(81 - 113)	SW846 6010A	05/15-05/23/98	CH6H2116
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Thallium	87	(80 - 110)	SW846 6010A	05/15-05/23/98	CH6H2117
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Aluminum	103	(83 - 117)	SW846 6010A	05/15-05/22/98	CH6H2118
		Dilution Factor: 1			
		Analysis Time..: 17:21			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB019 **Matrix.....:** WATER

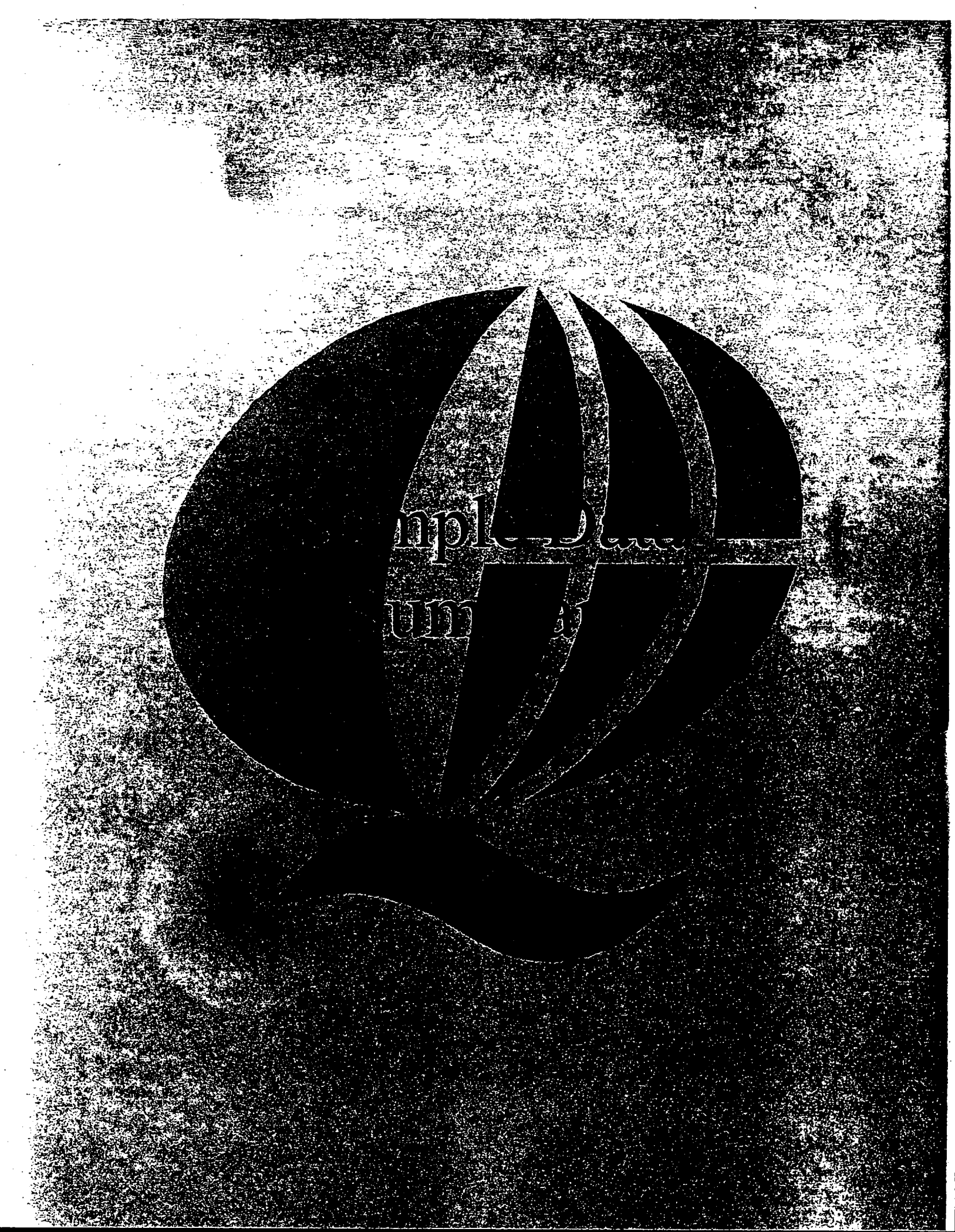
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	102	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H2119
		Dilution Factor: 1			
		Analysis Time..: 17:21			

LCS Lot-Sample#: H8E180000-109 **Prep Batch #...:** 8138109

Mercury	106	(80 - 120)	SW846 7470A	05/18-05/19/98	CH8AX102
		Dilution Factor: 1			
		Analysis Time..: 09:40			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 6630

General Chemistry

Lot-Sample #...: H8E020129-001 **Work Order #...:** CGVRN **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/05/98**	**8126191**
		Dilution Factor: 1				
Nitrate as N	ND	6.5	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	**22.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/21-05/22/98**	**8142200**
		Dilution Factor: 1				
Sulfate	ND	13.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6640

General Chemistry

Lot-Sample #...: H8E020129-002 Work Order #...: CGVRP Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	19.9	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	186	12.5	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6690

General Chemistry

Lot-Sample #...: H8E020129-003 Work Order #...: CGVRQ Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.5	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	17.5	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	23.7	12.1	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6700

General Chemistry

Lot-Sample #...: H8E020129-004 Work Order #...: CGVRR Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	17.7	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	59.1	12.2	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6710

General Chemistry

Lot-Sample #...: H8E020129-005 Work Order #...: CGVRV Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	18.0	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	20.5	12.2	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6720

General Chemistry

Lot-Sample #...: H8E020129-006 Work Order #...: CGVRW Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.1	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	17.8	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	28.1	12.2	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6730

General Chemistry

Lot-Sample #...: H8E020129-007 **Work Order #...:** CGVRX **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.5**	**0.10**	**No Units**	**SW846 9045A**	**05/05/98**	**8126191**
		Dilution Factor: 1				
Nitrate as N	ND	5.8	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	**14.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/21-05/22/98**	**8142200**
		Dilution Factor: 1				
Sulfate	ND	11.7	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6740

General Chemistry

Lot-Sample #...: H8E020129-008 Work Order #...: CGVT0 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	17.2	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	ND	12.1	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6810

General Chemistry

Lot-Sample #...: H8E020129-009 Work Order #...: CGVT1 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.5	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	832	48.4	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6820

General Chemistry

Lot-Sample #...: H8E020129-010 Work Order #...: CGVT3 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/02/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	245	11.8	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6830

General Chemistry

Lot-Sample #...: H8E020129-011 Work Order #...: CGVTD Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.5	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	19.4	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	8800	12.4	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6840

General Chemistry

Lot-Sample #...: H8E020129-012 Work Order #...: CGVTG Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	5.8	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	13.5	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	368	23.1	mg/kg	SW846 9056	05/06-05/07/98-	8128215
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6850

General Chemistry

Lot-Sample #...: H8E020129-013 Work Order #...: CGVTK Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	15.5	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	ND	11.8	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6860

General Chemistry

Lot-Sample #...: H8E020129-014 Work Order #...: CGVTP Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.6	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	19.2	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	144	12.4	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6870

General Chemistry

Lot-Sample #...: H8E020129-015 Work Order #...: CGVTV Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	16.5	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6880

General Chemistry

Lot-Sample #...: H8E020129-016 Work Order #...: CGVTW Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	19.7	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6890

General Chemistry

Lot-Sample #...: H8E020129-017 Work Order #...: CGVV0 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	16.5	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6900

General Chemistry

Lot-Sample #...: H8E020129-018 Work Order #...: CGVV3 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/02/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	19.1	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142200
		Dilution Factor: 1				
Sulfate	22.1	12.4	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8E020129 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH22P101		MB Lot-Sample #:	B8E080000-212	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Nitrate as N		Work Order #: CH23F101		MB Lot-Sample #:	B8E080000-218	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Sulfate		Work Order #: CH233101		MB Lot-Sample #:	B8E080000-215	
	ND	10.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				
Sulfate		Work Order #: CH244101		MB Lot-Sample #:	B8E080000-220	
	ND	10.0	mg/kg	SW846 9056	05/08/98	8128220
		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 #...: H8E020129 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#:	CGVRN12T-MS/CGVRN12U-MSD			MS Lot-Sample #:	H8E020129-001
	103	(80 - 120)			SW846 9056	05/06-05/07/98	8128212
	103	(80 - 120)	0.29	(0-20)	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1					
Sulfate		WO#:	CGVRN12W-MS/CGVRN12X-MSD			MS Lot-Sample #:	H8E020129-001
	98	(80 - 120)			SW846 9056	05/06-05/07/98	8128215
	98	(80 - 120)	0.06	(0-20)	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1					

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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E020129 **Work Order #...:** CGVRN-SMP CGVRN-DUP **Matrix.....:** SOLID

Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

% Moisture.....: 23

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E020129-001	
	7.8	7.8	No Units	0.18	(0-20)	SW846 9045A	05/05/98	8126191

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: H8E020129 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGXWW101-LCS/CGXWW102-LCSD				LCS Lot-Sample#: B8E060000-191	
	99	(99 - 101)			SW846 9045A	05/05/98	8126191
	100	(99 - 101)	0.73	(0-20)	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1					
pH (solid)		WO#:CH02E101-LCS/CH02E102-LCSD				LCS Lot-Sample#: B8E060000-205	
	100	(99 - 101)			SW846 9045A	05/05/98	8126205
	100	(99 - 101)	0.07	(0-20)	SW846 9045A	05/05/98	8126205
		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 #...: H8E020129 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH22P102		LCS Lot-Sample#: B8E080000-212	
	89	(89 - 110)	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1			
Nitrate as N		Work Order #: CH23F102		LCS Lot-Sample#: B8E080000-218	
	92	(89 - 110)	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1			
Sulfate		Work Order #: CH233102		LCS Lot-Sample#: B8E080000-215	
	93	(80 - 120)	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1			
Sulfate		Work Order #: CH244102		LCS Lot-Sample#: B8E080000-220	
	95	(80 - 120)	SW846 9056	05/08/98	8128220
		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# PB019

*	DATE REC'D	LOT#	CLIENT ID	VOC 8260A	SVOC 8270B	PCB 8081	PEST/PCB 8081	PH 9045	TOTAL 6010A	ANIONS 9056	EXP 8330
1	5/2/98	H8E020129	6630	QC	QC	QC		QC/T	QC	QC/T	QC
2			6640	X	X			T	X	T	X
3			6690	X	X	X		T	X	T	
4			6700	X	X			T	X	T	
5			6710	X	X	X		T	X	T	
6			6720	X	X			T	X	T	
7			6730	X	X	X		T	X	T	
8			6740	X	X			T	X	T	
9			6810	X	X	X		T	X	T	
10			6820	X	X			T	X	T	
11			6830	X	X	X		T	X	T	
12			6840	X	X			T	X	T	
13			6850	X	X	X		T	X	T	
14			6860	X	X			T	X	T	
15			6870	X	X	X		T	X	T	
16			6880	X	X			T	X	T	
17			6890	X	X	X		T	X	T	
18			6900	X	X			T	X	T	
19			6641	X	X	X			X		X
20			9003	X							

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

MATRIX: SOIL
ANALYTICAL DUE: 5-25-98
REPORT DUE: 5-29-98
CLOSED?__YES__

6/8/989:27 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E020129

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: 5/2/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 2301			
b. Informed Login associates of special instructions ?			✓
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/1/98 per forced RFA/COC

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
6641	BNA, 8330	~~5~~ 8	*Processed for 8270B & 8330
9003	VOA	6b	per separate containers.
			* Processed as per RFA/COC

☐ Client informed on _____ by _____. Person contacted: _____.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: [signature] Date: 5/4/98

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 Sample Name not entered.
	6c Other:_____
Container Labels:	7a Doesn't match COC
	7b Incomplete information
	7c Marking smeared
	7d Label torn
	7e Other:_____

Other (8): COC has " 8330 + 8270 by SW846 in Soil " but this is a water sample. and should be Semivolatiles only.

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT.KNX PROJECT: PBOW Lot No.: H8E020129

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: 5/5/98

QA016R7.doc, 01/29/98

Quote# 23131

H8E020129

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050198QESK

Project Number: 773206

Samples Shipment Date: 01-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/801624850513

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: 5/1/98 Time: 1700

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

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

1. Received By (Signature/Affiliation) Date: 5/2/98 Time: 1000

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

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

Comments:

Rec'd @ 6°c
w/ custody Seals
Intact BPB 5/2/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6630	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6630	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6630	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6630	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6630	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6630-MS	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H8E020129

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6630-MS	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6630-MS	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6630-MS	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6630-MS	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6630-MSD	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6630-MSD	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6630-MSD	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6630-MSD	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6630-MSD	PBOW-98-SO-AA3-SB02-6630-(0001)	01-MAY-98	08:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6640	PBOW-98-SO-AA3-SB02-6640-(0910)	01-MAY-98	08:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6640	PBOW-98-SO-AA3-SB02-6640-(0910)	01-MAY-98	08:55	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6640	PBOW-98-SO-AA3-SB02-6640-(0910)	01-MAY-98	08:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6640	PBOW-98-SO-AA3-SB02-6640-(0910)	01-MAY-98	08:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6640	PBOW-98-SO-AA3-SB02-6640-(0910)	01-MAY-98	08:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6641	PBOW-98-BW-AA3-EB-6641-(0000)	01-MAY-98	09:15	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
6641	PBOW-98-BW-AA3-EB-6641-(0000)	01-MAY-98	09:15	1 L Amb. Glass	2	NONE EXCEPT COOL TO	TCL Pesticide/PCBs by SW-846 8081	N		
6641	PBOW-98-BW-AA3-EB-6641-(0000)	01-MAY-98	09:15	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil, TCL Semivolatiles by SW-846 8270B in soil	N		
6641	PBOW-98-BW-AA3-EB-6641-(0000)	01-MAY-98	09:15	1 L HDPE	1	HNO3<PH 2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
6690	PBOW-98-SO-AA3-SB05-6690-(0001)	01-MAY-98	10:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6690	PBOW-98-SO-AA3-SB05-6690-(0001)	01-MAY-98	10:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6690	PBOW-98-SO-AA3-SB05-6690-(0001)	01-MAY-98	10:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6690	PBOW-98-SO-AA3-SB05-6690-(0001)	01-MAY-98	10:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6700	PBOW-98-SO-AA3-SB05-6700-(0910)	01-MAY-98	11:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6700	PBOW-98-SO-AA3-SB05-6700-(0910)	01-MAY-98	11:00	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6700	PBOW-98-SO-AA3-SB05-6700-(0910)	01-MAY-98	11:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6700	PBOW-98-SO-AA3-SB05-6700-(0910)	01-MAY-98	11:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6710	PBOW-98-SO-AA3-SB06-6710-(0001)	01-MAY-98	11:15	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6710	PBOW-98-SO-AA3-SB06-6710-(0001)	01-MAY-98	11:15	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6710	PBOW-98-SO-AA3-SB06-6710-(0001)	01-MAY-98	11:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6710	PBOW-98-SO-AA3-SB06-6710-(0001)	01-MAY-98	11:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6720	PBOW-98-SO-AA3-SB06-6720-(0910)	01-MAY-98	11:40	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6720	PBOW-98-SO-AA3-SB06-6720-(0910)	01-MAY-98	11:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6720	PBOW-98-SO-AA3-SB06-6720-(0910)	01-MAY-98	11:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6720	PBOW-98-SO-AA3-SB06-6720-(0910)	01-MAY-98	11:40	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6730	PBOW-98-SO-AA3-SB07-6730-(0001)	01-MAY-98	13:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6730	PBOW-98-SO-AA3-SB07-6730-(0001)	01-MAY-98	13:30	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6730	PBOW-98-SO-AA3-SB07-6730-(0001)	01-MAY-98	13:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6730	PBOW-98-SO-AA3-SB07-6730-(0001)	01-MAY-98	13:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6740	PBOW-98-SO-AA3-SB07-6740-(0910)	01-MAY-98	13:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6740	PBOW-98-SO-AA3-SB07-6740-(0910)	01-MAY-98	13:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6740	PBOW-98-SO-AA3-SB07-6740-(0910)	01-MAY-98	13:55	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6740	PBOW-98-SO-AA3-SB07-6740-(0910)	01-MAY-98	13:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6810	PBOW-98-SO-AA3-SB11-6810-(0001)	30-APR-98	16:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6810	PBOW-98-SO-AA3-SB11-6810-(0001)	30-APR-98	16:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6810	PBOW-98-SO-AA3-SB11-6810-(0001)	30-APR-98	16:40	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6810	PBOW-98-SO-AA3-SB11-6810-(0001)	30-APR-98	16:40	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6820	PBOW-98-SO-AA3-SB11-6820-(0910)	30-APR-98	17:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6820	PBOW-98-SO-AA3-SB11-6820-(0910)	30-APR-98	17:15	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6820	PBOW-98-SO-AA3-SB11-6820-(0910)	30-APR-98	17:15	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6820	PBOW-98-SO-AA3-SB11-6820-(0910)	30-APR-98	17:15	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6830	PBOW-98-SO-AA3-SB12-6830-(0001)	01-MAY-98	08:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6830	PBOW-98-SO-AA3-SB12-6830-(0001)	01-MAY-98	08:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6830	PBOW-98-SO-AA3-SB12-6830-(0001)	01-MAY-98	08:40	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil,	N		

H-8E020129

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6830	PBOW-98-SO-AA3-SB12-6830-(0001)	01-MAY-98	08:40	4 oz CWM	1	None except cool to 4 C	pH by SW-846 9045B Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6840	PBOW-98-SO-AA3-SB12-6840-(0910)	01-MAY-98	09:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6840	PBOW-98-SO-AA3-SB12-6840-(0910)	01-MAY-98	09:05	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6840	PBOW-98-SO-AA3-SB12-6840-(0910)	01-MAY-98	09:05	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6840	PBOW-98-SO-AA3-SB12-6840-(0910)	01-MAY-98	09:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6850	PBOW-98-SO-AA3-SB13-6850-(0001)	01-MAY-98	09:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6850	PBOW-98-SO-AA3-SB13-6850-(0001)	01-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6850	PBOW-98-SO-AA3-SB13-6850-(0001)	01-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6850	PBOW-98-SO-AA3-SB13-6850-(0001)	01-MAY-98	09:10	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6860	PBOW-98-SO-AA3-SB13-6860-(0910)	01-MAY-98	09:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6860	PBOW-98-SO-AA3-SB13-6860-(0910)	01-MAY-98	09:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6860	PBOW-98-SO-AA3-SB13-6860-(0910)	01-MAY-98	09:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6860	PBOW-98-SO-AA3-SB13-6860-(0910)	01-MAY-98	09:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6870	PBOW-98-SO-AA3-SB14-6870-(0001)	01-MAY-98	14:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6870	PBOW-98-SO-AA3-SB14-6870-(0001)	01-MAY-98	14:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6870	PBOW-98-SO-AA3-SB14-6870-(0001)	01-MAY-98	14:05	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6870	PBOW-98-SO-AA3-SB14-6870-(0001)	01-MAY-98	14:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6880	PBOW-98-SO-AA3-SB14-6880-(0910)	01-MAY-98	14:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6880	PBOW-98-SO-AA3-SB14-6880-(0910)	01-MAY-98	14:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6880	PBOW-98-SO-AA3-SB14-6880-(0910)	01-MAY-98	14:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6880	PBOW-98-SO-AA3-SB14-6880-(0910)	01-MAY-98	14:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6890	PBOW-98-SO-AA3-SB15-6890-(0001)	01-MAY-98	09:40	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6890	PBOW-98-SO-AA3-SB15-6890-(0001)	01-MAY-98	09:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6890	PBOW-98-SO-AA3-SB15-6890-(0001)	01-MAY-98	09:40	4 oz CWM	1 ~~2~~	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6890	PBOW-98-SO-AA3-SB15-6890-(0001)	01-MAY-98	09:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

H8E020129

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6900	PBOW-98-SO-AA3-SB15-6900-(0910)	01-MAY-98	10:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6900	PBOW-98-SO-AA3-SB15-6900-(0910)	01-MAY-98	10:00	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6900	PBOW-98-SO-AA3-SB15-6900-(0910)	01-MAY-98	10:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6900	PBOW-98-SO-AA3-SB15-6900-(0910)	01-MAY-98	10:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
9003		01-MAY-98	10:00	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,- KNX

NEED ANALYTICAL REPORT BY
5/24/98

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-001 CGVRN-1-2Q	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-001 CGVRN-1-2R	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-001 CGVRN-1-2V	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-001-D CGVRN-1-2U	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-001-D CGVRN-1-2X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-001-S CGVRN-1-2T	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-001-S CGVRN-1-2W	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-002 CGVRP-1-0X	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-002 CGVRP-1-10	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-002 CGVRP-1-11	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-003 CGVRQ-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-003 CGVRQ-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-003 CGVRQ-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-004 CGVRR-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-004 CGVRR-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-004 CGVRR-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-005 CGVRV-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-005 CGVRV-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-005 CGVRV-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-006 CGVRW-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-006 CGVRW-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-006 CGVRW-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-007 CGVRX-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-007 CGVRX-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-007 CGVRX-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-008 CGVT0-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-008 CGVT0-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-008 CGVT0-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-009 CGVT1-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-009 CGVT1-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-009 CGVT1-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-010 CGVT3-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-010 CGVT3-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-010 CGVT3-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-011 CGVTD-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-011 CGVTD-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-011 CGVTD-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-012 CGVTG-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-012 CGVTG-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-012 CGVTG-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-013 CGVTK-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-013 CGVTK-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-013 CGVTK-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-014 CGVTP-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-014 CGVTP-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-014 CGVTP-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-015 CGVTV-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-015 CGVTV-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-015 CGVTV-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-016 CGVTW-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A

****
* CONTINUED *
****

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010795

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020129-016 CGVTW-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-016 CGVTW-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-017 CGVV0-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-017 CGVV0-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-017 CGVV0-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020129-018 CGVV3-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020129-018 CGVV3-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020129-018 CGVV3-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 5/02/98

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: _____ 5/02/98 13:59:31
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

RELINQUISHED BY: Diane Hang DATE/TIME: 5/4/98 3:00

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: Carol McNulty DATE/TIME: 5/5/98

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
423 584-4315 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 766952

PBOW-Acid Areas
SDG #: PB018

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 13, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB018 : H8E010182

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGVCV	001	6080	04/29/98	13:00
CGVD9	002	6090	04/30/98	09:55
CGVDD	003	6100	04/30/98	10:25
CGVDF	004	6110	04/29/98	14:35
CGVDK	005	6120	04/29/98	14:55
CGVDP	006	6130	04/29/98	15:10
CGVDR	007	6140	04/29/98	15:35
CGVDX	008	6150	04/29/98	15:55
CGVE0	009	6160	04/29/98	16:20
CGVE2	010	6170	04/30/98	10:45
CGVE4	011	6180	04/30/98	11:10
CGVE5	012	6190	04/30/98	13:55
CGVE8	013	6200	04/30/98	14:15
CGVE9	014	6210	04/30/98	11:25
CGVEC	015	6220	04/30/98	11:55
CGVEE	016	6250	04/29/98	08:55
CGVEF	017	6260	04/29/98	09:20
CGVEJ	018	6270	04/29/98	09:35
CGVEK	019	6280	04/29/98	10:00
CGVEN	020	6290	04/30/98	13:20
CGVEQ	021	6300	04/30/98	13:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are perfonned 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

PB018

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E040000-145	L	05/01/98	DUPLICATE CHECK
B8E040000-154	L	04/30/98	DUPLICATE CHECK
B8E040000-168	L	05/01/98	DUPLICATE CHECK
H8D300162-008	X	04/30/98	INTRA-LAB QC
H8E010146-004	D	05/01/98	LAB MS/MSD
H8E010146-004	S	05/01/98	LAB MS/MSD
H8E010146-004	X	05/01/98	INTRA-LAB QC
H8E010182-001		05/01/98	6080
H8E010182-001	D	05/01/98	6080
H8E010182-001	S	05/01/98	6080
H8E010182-002		05/01/98	6090
H8E010182-003		05/01/98	6100
H8E010182-004		05/01/98	6110
H8E010182-005		05/01/98	6120
H8E010182-006		05/01/98	6130
H8E010182-007		05/01/98	6140
H8E010182-008		05/01/98	6150
H8E010182-009		05/01/98	6160
H8E010182-010		05/01/98	6170
H8E010182-011		05/01/98	6180
H8E010182-012		05/01/98	6190
H8E010182-012	X	05/01/98	6190 DUP
H8E010182-013		05/01/98	6200
H8E010182-014		05/01/98	6210
H8E010182-015		05/01/98	6220
H8E010182-016		05/01/98	6250
H8E010182-017		05/01/98	6260
H8E010182-018		05/01/98	6270
H8E010182-019		05/01/98	6280
H8E010182-019	D	05/01/98	6280
H8E010182-019	S	05/01/98	6280
H8E010182-020		05/01/98	6290
H8E010182-021		05/01/98	6300
H8E040127-001	D	05/04/98	LAB MS/MSD
H8E040127-001	S	05/04/98	LAB MS/MSD

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB018

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for samples 6280, 6220, 6210, and 6200 were outside control limits. However, re-analysis of the samples resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

Internal standard recoveries for sample 6080 were outside control limits. Since the matrix spike/matrix spike duplicate for this sample demonstrated similar surrogate recoveries, the results are attributed to sample matrix effects.

PCBs

The batch matrix spike/matrix spike duplicate recoveries were acceptable for all analytes except Aroclor1260. The laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Metals

The batch matrix spike/matrix spike duplicate recoveries and RPDs for sample 6080 were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. In addition, results outside of limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level. The affected analytes are flagged appropriately on the matrix spike/matrix spike duplicate report.

The serial dilution of sample 6080 was outside control limits due to physical or chemical matrix interferences.

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Quanterra Incorporated Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Quanterra
Environmental Services

PROJECT NARRATIVE

Wet Chemistry

Per client request, the following samples were analyzed for nitrate and pH outside of holding time criteria; 6080, 6110, 6120, 6130, 6140, 6150, 6160, 6250, 6260, 6270 and 6280.

COMMENTS:

PCBs

Reporting limits for Aroclor 1254 for samples 6110, 6150, 6210, 6270, and 6290 have been elevated due to high target analyte concentrations.

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Quanterra Incorporated, Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6080

GC/MS Volatiles

Lot-Sample #...: H8E010182-001 **Work Order #...:** CGVCV102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**7.0 B**	**6.3**	**ug/kg**
Acetone	**480**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	**4.0 J**	**6.3**	**ug/kg**
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	121	(77 - 124)
4-Bromofluorobenzene	121	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6080

GC/MS Volatiles

Lot-Sample #...: H8E010182-001 Work Order #...: CGVCV102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6090

GC/MS Volatiles

Lot-Sample #...: H8E010182-002 **Work Order #...:** CGVD9102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.5 J**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(64 - 135)
Toluene-d8	92	(77 - 124)
4-Bromofluorobenzene	89	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

GC/MS Volatiles

Lot-Sample #...: H8E010182-002 **Work Order #...:** CGVD9102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

GC/MS Volatiles

Lot-Sample #...: H8E010182-003 **Work Order #...:** CGVDD102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.3 J**	**6.0**	**ug/kg**
Acetone	**17 J,B**	**24**	**ug/kg**
Carbon disulfide	**4.2 J**	**6.0**	**ug/kg**
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

GC/MS Volatiles

Lot-Sample #...: H8E010182-003 **Work Order #...:** CGVDD102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6110

GC/MS Volatiles

Lot-Sample #...: H8E010182-004 **Work Order #...:** CGVDF102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.5 J,B**	**6.4**	**ug/kg**
Acetone	ND	26	ug/kg
Carbon disulfide	ND	6.4	ug/kg
1,1-Dichloroethene	ND	6.4	ug/kg
1,1-Dichloroethane	ND	6.4	ug/kg
1,2-Dichloroethene (total)	ND	6.4	ug/kg
Chloroform	ND	6.4	ug/kg
1,2-Dichloroethane	ND	6.4	ug/kg
2-Butanone	ND	26	ug/kg
1,1,1-Trichloroethane	ND	6.4	ug/kg
Carbon tetrachloride	ND	6.4	ug/kg
Bromodichloromethane	ND	6.4	ug/kg
1,2-Dichloropropane	ND	6.4	ug/kg
cis-1,3-Dichloropropene	ND	6.4	ug/kg
Trichloroethene	ND	6.4	ug/kg
Dibromochloromethane	ND	6.4	ug/kg
1,1,2-Trichloroethane	ND	6.4	ug/kg
Benzene	ND	6.4	ug/kg
trans-1,3-Dichloropropene	ND	6.4	ug/kg
Bromoform	ND	6.4	ug/kg
4-Methyl-2-pentanone	ND	26	ug/kg
2-Hexanone	ND	26	ug/kg
Tetrachloroethene	ND	6.4	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg
Toluene	ND	6.4	ug/kg
Chlorobenzene	ND	6.4	ug/kg
Ethylbenzene	ND	6.4	ug/kg
Styrene	ND	6.4	ug/kg
Xylenes (total)	ND	6.4	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

GC/MS Volatiles

Lot-Sample #...: H8E010182-004 Work Order #...: CGVDF102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6120

GC/MS Volatiles

Lot-Sample #...: H8E010182-005 **Work Order #...:** CGVDK202 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**11 B**	**6.2**	**ug/kg**
Acetone	**16 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

GC/MS Volatiles

Lot-Sample #...: H8E010182-005 **Work Order #...:** CGVDK202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6130

GC/MS Volatiles

Lot-Sample #...: H8E010182-006 **Work Order #...:** CGVDP102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.0 J,B**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

GC/MS Volatiles

Lot-Sample #...: H8E010182-006 Work Order #...: CGVDP102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6140

GC/MS Volatiles

Lot-Sample #...: H8E010182-007 **Work Order #...:** CGVDR202 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**8.6 B**	**6.2**	**ug/kg**
Acetone	**130**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

GC/MS Volatiles

Lot-Sample #...: H8E010182-007 **Work Order #...:** CGVDR202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

GC/MS Volatiles

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.2 J,B**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	110	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

GC/MS Volatiles

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6160

GC/MS Volatiles

Lot-Sample #...: H8E010182-009 **Work Order #...:** CGVE0102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.3 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	95	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

GC/MS Volatiles

Lot-Sample #...: H8E010182-009 **Work Order #...:** CGVE0102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6170

GC/MS Volatiles

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.2 J**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

GC/MS Volatiles

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

GC/MS Volatiles

Lot-Sample #...:	H8E010182-011	**Work Order #...:**	CGVE4102	**Matrix.....:**	SOLID
Date Sampled...:	04/30/98	**Date Received..:**	05/01/98		
Prep Date.....:	05/13/98	**Analysis Date..:**	05/14/98		
Prep Batch #...:	8133212				
Dilution Factor:	1				
% Moisture.....:	16	**Method.....:**	SW846 8260A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.3 J**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

GC/MS Volatiles

Lot-Sample #...: H8E010182-011 Work Order #...: CGVE4102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

GC/MS Volatiles

Lot-Sample #...: H8E010182-012 **Work Order #...:** CGVE5102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.2 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

GC/MS Volatiles

Lot-Sample #...: H8E010182-012 Work Order #...: CGVE5102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6200

GC/MS Volatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.0 J,B**	**6.0**	**ug/kg**
Acetone	**110**	**24**	**ug/kg**
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	**4.0 J**	**6.0**	**ug/kg**
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	**9.9 J**	**24**	**ug/kg**
1,1,1-Trichloroethane	**6.7**	**6.0**	**ug/kg**
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	**35**	**6.0**	**ug/kg**
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	**240**	**6.0**	**ug/kg**
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**3.1 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(64 - 135)
Toluene-d8	123	(77 - 124)
4-Bromofluorobenzene	118	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

GC/MS Volatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6200

GC/MS Volatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8202 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**9.7 B**	**6.0**	**ug/kg**
Acetone	**59**	**24**	**ug/kg**
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	**4.2 J**	**6.0**	**ug/kg**
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	**5.3 J**	**24**	**ug/kg**
1,1,1-Trichloroethane	**6.6**	**6.0**	**ug/kg**
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	**37**	**6.0**	**ug/kg**
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	**220**	**6.0**	**ug/kg**
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**2.2 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	115	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

GC/MS Volatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6210

GC/MS Volatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.7 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	**2.1 J**	**6.0**	**ug/kg**
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**1.6 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

GC/MS Volatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6210

GC/MS Volatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9202 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.9 B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	**1.8 J**	**6.0**	**ug/kg**
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**1.5 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

GC/MS Volatiles

Lot-Sample #...: H8E010182-014 Work Order #...: CGVE9202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6220

GC/MS Volatiles

Lot-Sample #...: H8E010182-015 **Work Order #...:** CGVEC102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.2 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	**1.8 J**	**6.2**	**ug/kg**
1,1-Dichloroethane	**33**	**6.2**	**ug/kg**
1,2-Dichloroethene (total)	**7.4**	**6.2**	**ug/kg**
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	**53**	**6.2**	**ug/kg**
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	**32**	**6.2**	**ug/kg**
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(64 - 135)
Toluene-d8	118	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

GC/MS Volatiles

Lot-Sample #...: H8E010182-015 Work Order #...: CGVEC102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6220

GC/MS Volatiles

Lot-Sample #...: H8E010182-015 **Work Order #...:** CGVEC202 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**15 B**	**6.2**	**ug/kg**
Acetone	**16 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	**18**	**6.2**	**ug/kg**
1,2-Dichloroethene (total)	**3.8 J**	**6.2**	**ug/kg**
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	**32**	**6.2**	**ug/kg**
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	**17**	**6.2**	**ug/kg**
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

GC/MS Volatiles

Lot-Sample #...: H8E010182-015 Work Order #...: CGVEC202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6250

GC/MS Volatiles

Lot-Sample #...: H8E010182-016 **Work Order #...:** CGVEE102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.4 J,B**	**5.9**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

GC/MS Volatiles

Lot-Sample #...: H8E010182-016 **Work Order #...:** CGVEE102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6260

GC/MS Volatiles

Lot-Sample #...: H8E010182-017 **Work Order #...:** CGVEF102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	100	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

GC/MS Volatiles

Lot-Sample #...: H8E010182-017 **Work Order #...:** CGVEF102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6270

GC/MS Volatiles

Lot-Sample #...: H8E010182-018 **Work Order #...:** CGVEJ102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.6 J,B**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

GC/MS Volatiles

Lot-Sample #...: H8E010182-018 Work Order #...: CGVEJ102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6280

GC/MS Volatiles

Lot-Sample #...: H8E010182-019 **Work Order #...:** CGVEK102 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**6.8 B**	**6.2**	**ug/kg**
Acetone	**79**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	**2.4 J**	**6.2**	**ug/kg**
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

GC/MS Volatiles

Lot-Sample #...: H8E010182-019 Work Order #...: CGVEK102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6280

GC/MS Volatiles

Lot-Sample #...: H8E010182-019 **Work Order #...:** CGVEK202 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**14 B**	**6.2**	**ug/kg**
Acetone	**67**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

GC/MS Volatiles

Lot-Sample #...: H8E010182-019 Work Order #...: CGVEK202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

GC/MS Volatiles

Lot-Sample #...: H8E010182-020 **Work Order #...:** CGVEN102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.1 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

GC/MS Volatiles

Lot-Sample #...: H8E010182-020 **Work Order #...:** CGVEN102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6300

GC/MS Volatiles

Lot-Sample #...: H8E010182-021 **Work Order #...:** CGVEQ102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8132188
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.1 J,B**	**6.2**	**ug/kg**
Acetone	**270**	**25**	**ug/kg**
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

GC/MS Volatiles

Lot-Sample #...: H8E010182-021 **Work Order #...:** CGVEQ102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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 #...: PB018 **Work Order #...:** CH41D101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E120000-188

Prep Date.....: 05/12/98
Analysis Date..: 05/12/98 **Prep Batch #...:** 8132188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**1.8 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	96	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB018 **Work Order #...:** CH41D101 **Matrix.....:** SOLID

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 #...: PB018 **Work Order #...:** CGVCV112-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E010182-001 CGVCV113-MSD
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1 **% Moisture.....:** 21

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(64 - 146)**			**SW846 8260A**
	111	**(64 - 146)**	**3.9**	**(0-18)**	**SW846 8260A**
Trichloroethene	**92**	**(41 - 151)**			**SW846 8260A**
	90	**(41 - 151)**	**1.6**	**(0-28)**	**SW846 8260A**
Benzene	**100**	**(74 - 122)**			**SW846 8260A**
	107	**(74 - 122)**	**6.9**	**(0-15)**	**SW846 8260A**
Toluene	**102**	**(69 - 132)**			**SW846 8260A**
	115	**(69 - 132)**	**12**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**95**	**(67 - 121)**			**SW846 8260A**
	102	**(67 - 121)**	**7.2**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
	111	(64 - 135)
Toluene-d8	111	(77 - 124)
	116	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)
	111	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB018 **Work Order #...:** CH41D102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E120000-188
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(67 - 137)**	**SW846 8260A**
Benzene	**100**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**104**	**(68 - 126)**	**SW846 8260A**
Toluene	**102**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**101**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

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 #...: PB018 **Work Order #...:** CH4L0101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-131

Prep Date.....: 05/13/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8133131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	**4.2 J**	**5.0**	**ug/kg**	**SW846 8260A**
Acetone	ND	20	ug/kg	SW846 8260A
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	89	(70 - 147)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB018 **Work Order #...:** CH4L0101 **Matrix.....:** SOLID

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 #...: PB018 **Work Order #...:** CH4L0102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-131
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**90**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**93**	**(68 - 126)**	**SW846 8260A**
Toluene	**91**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**90**	**(72 - 118)**	**SW846 8260A**
1,1-Dichloroethene	**91**	**(67 - 137)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

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 #...: PB018 **Work Order #...:** CH50H101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-212

Prep Date.....: 05/13/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8133212
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	ND	5.0	ug/kg	SW846 8260A
Acetone	**7.0 J**	**20**	**ug/kg**	**SW846 8260A**
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(64 - 135)
Toluene-d8	91	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB018 **Work Order #...:** CH50H101 **Matrix.....:** SOLID

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 #...: PB018 **Work Order #...:** CH50H102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-212
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**91**	**(67 - 137)**	**SW846 8260A**
Benzene	**91**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**94**	**(68 - 126)**	**SW846 8260A**
Toluene	**92**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**92**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

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: 6080

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-001 **Work Order #...:** CGVCV103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6080

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-001 **Work Order #...:** CGVCV103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	86	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	83	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-002 **Work Order #...:** CGVD9103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-002 **Work Order #...:** CGVD9103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**210 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	82	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-003 **Work Order #...:** CGVDD103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-003 **Work Order #...:** CGVDD103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	82	(24 - 113)
Nitrobenzene-d5	92	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	76	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-004 **Work Order #...:** CGVDF103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-004 **Work Order #...:** CGVDF103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	**49 J**	**420**	**ug/kg**
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	81	(24 - 113)
Nitrobenzene-d5	84	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	95	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-005 **Work Order #...:** CGVDK103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-005 **Work Order #...:** CGVDK103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**48 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(25 - 121)
Phenol-d5	81	(24 - 113)
Nitrobenzene-d5	78	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	86	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-006 **Work Order #...:** CGVDP103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-006 **Work Order #...:** CGVDP103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	**95 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(25 - 121)
Phenol-d5	79	(24 - 113)
Nitrobenzene-d5	80	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	62	(19 - 122)
Terphenyl-d14	86	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-007 **Work Order #...:** CGVDR103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...; 8124117
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-007 **Work Order #...:** CGVDR103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(25 - 121)
Phenol-d5	80	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	76	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	69	(30 - 115)
2,4,6-Tribromophenol	72	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-009 **Work Order #...:** CGVE0103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-009 **Work Order #...:** CGVE0103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	**49 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	78	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8124117
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**58 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(25 - 121)
Phenol-d5	85	(24 - 113)
Nitrobenzene-d5	79	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	71	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-011 **Work Order #...:** CGVE4103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-011 **Work Order #...:** CGVE4103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	88	(30 - 115)
2,4,6-Tribromophenol	116	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-012 **Work Order #...:** CGVE5103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-012 Work Order #...: CGVE5103 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**44 J**	**410**	**ug/kg**
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	**42 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	65	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	85	(30 - 115)
2,4,6-Tribromophenol	110	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	65	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	86	(30 - 115)
2,4,6-Tribromophenol	115	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**82 J**	**390**	**ug/kg**
Pyrene	**52 J**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**36 J**	**390**	**ug/kg**
Chrysene	**45 J**	**390**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	**37 J**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	106	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-015 **Work Order #...:** CGVEC103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-015 **Work Order #...:** CGVEC103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	76	(30 - 115)
2,4,6-Tribromophenol	62	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-016 **Work Order #...:** CGVEE103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-016 **Work Order #...:** CGVEE103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	73	(30 - 115)
2,4,6-Tribromophenol	74	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-017 **Work Order #...:** CGVEF103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-017 **Work Order #...:** CGVEF103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(25 - 121)
Phenol-d5	82	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-018 **Work Order #...:** CGVEJ103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-018 **Work Order #...:** CGVEJ103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**57 J**	**410**	**ug/kg**
Anthracene	**26 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**160 J**	**410**	**ug/kg**
Pyrene	**110 J**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**79 J**	**410**	**ug/kg**
Chrysene	**100 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**94 J**	**410**	**ug/kg**
Benzo(k)fluoranthene	**75 J**	**410**	**ug/kg**
Benzo(a)pyrene	**78 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**43 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	71	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-019 **Work Order #...:** CGVEK103 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-019 **Work Order #...:** CGVEK103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	76	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	80	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-020 Work Order #...: CGVEN103 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
Prep Date.....: 05/05/98 Analysis Date..: 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-020 **Work Order #...:** CGVEN103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	78	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	78	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-021 **Work Order #...:** CGVEQ103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

GC/MS Semivolatiles

Lot-Sample #...: H8E010182-021 **Work Order #...:** CGVEQ103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	73	(30 - 115)
2,4,6-Tribromophenol	80	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGWK9101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E050000-113

Prep Date.....: 05/05/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8125113
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGWK9101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	75	(19 - 122)
Terphenyl-d14	81	(20 - 138)

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 #...: PB018 **Work Order #...:** CGWDT106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E040127-001 CGWDT107-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1 **% Moisture.....:** 15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**60**	**(23 - 115)**			**SW846 8270B**
	57	**(23 - 115)**	**4.1**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**78**	**(20 - 118)**			**SW846 8270B**
	75	**(20 - 118)**	**3.1**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(16 - 116)**			**SW846 8270B**
	67	**(16 - 116)**	**4.4**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(12 - 126)**			**SW846 8270B**
	58	**(12 - 126)**	**1.0**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**81**	**(19 - 124)**			**SW846 8270B**
	86	**(19 - 124)**	**5.0**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**70**	**(28 - 119)**			**SW846 8270B**
	71	**(28 - 119)**	**1.1**	**(0-35)**	**SW846 8270B**
Acenaphthene	**78**	**(23 - 125)**			**SW846 8270B**
	80	**(23 - 125)**	**1.5**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**127**	**(15 - 130)**			**SW846 8270B**
	121	**(15 - 130)**	**4.5**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(26 - 122)**			**SW846 8270B**
	71	**(26 - 122)**	**4.1**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**70**	**(10 - 134)**			**SW846 8270B**
	86	**(10 - 134)**	**19**	**(0-53)**	**SW846 8270B**
Pyrene	**84**	**(28 - 128)**			**SW846 8270B**
	81	**(28 - 128)**	**2.9**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(25 - 121)
	62	(25 - 121)
Phenol-d5	63	(24 - 113)
	62	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
	67	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
	84	(30 - 115)
2,4,6-Tribromophenol	120	(19 - 122)
	107	(19 - 122)
Terphenyl-d14	77	(20 - 138)
	72	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGWK9102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E050000-113
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**78**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**74**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**81**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**72**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**72**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**70**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**75**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**82**	**(17 - 117)**	**SW846 8270B**
Pyrene	**80**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	80	(24 - 113)
Nitrobenzene-d5	80	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	73	(19 - 122)
Terphenyl-d14	83	(20 - 138)

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 #...: PB018 **Work Order #...:** CGW18101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E040000-117

Prep Date.....: 05/04/98
Analysis Date..: 05/10/98 **Prep Batch #...:** 8124117
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGW18101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	90	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	80	(20 - 138)

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 #...: PB018 **Work Order #...:** CGW18102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E040000-117
Prep Date.....: 05/04/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8124117
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**84**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**78**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**102**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**77**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**73**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**110**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**75**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**82**	**(17 - 117)**	**SW846 8270B**
Pyrene	**80**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(25 - 121)
Phenol-d5	88	(24 - 113)
Nitrobenzene-d5	93	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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: 6090

GC Semivolatiles

Lot-Sample #...: H8E010182-002 **Work Order #...:** CGVD9104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	**45**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

GC Semivolatiles

Lot-Sample #...: H8E010182-004 **Work Order #...:** CGVDF104 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	ND G	170	ug/kg
Aroclor 1260	**160**	**42**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(40 - 134)
Decachlorobiphenyl	114	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

GC Semivolatiles

Lot-Sample #...: H8E010182-006 **Work Order #...:** CGVDP104 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	**73**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(40 - 134)
Decachlorobiphenyl	128	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

GC Semivolatiles

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX104 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 20
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	800	ug/kg
Aroclor 1221	ND	800	ug/kg
Aroclor 1232	ND	800	ug/kg
Aroclor 1242	ND	800	ug/kg
Aroclor 1248	ND	800	ug/kg
Aroclor 1254	ND G	2900	ug/kg
Aroclor 1260	**9000**	**800**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

GC Semivolatiles

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

GC Semivolatiles

Lot-Sample #...: H8E010182-012 **Work Order #...:** CGVE5104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	108	(40 - 134)
Decachlorobiphenyl	124	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

GC Semivolatiles

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND G	160	ug/kg
Aroclor 1260	**150 AP**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(40 - 134)
Decachlorobiphenyl	117	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

AP Altered Pattern

IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

GC Semivolatiles

Lot-Sample #...:	H8E010182-016	**Work Order #...:**	CGVEE104	**Matrix.....:**	SOLID
Date Sampled...:	04/29/98	**Date Received..:**	05/01/98		
Prep Date.....:	05/05/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8125110				
Dilution Factor:	1				
% Moisture.....:	15	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	105	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

GC Semivolatiles

Lot-Sample #...:	H8E010182-018	**Work Order #...:**	CGVEJ104	**Matrix.....:**	SOLID
Date Sampled...:	04/29/98	**Date Received..:**	05/01/98		
Prep Date.....:	05/05/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8125110				
Dilution Factor:	1				
% Moisture.....:	20	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND G	78	ug/kg
Aroclor 1260	**220**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	105	(40 - 134)
Decachlorobiphenyl	110	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

GC Semivolatiles

Lot-Sample #...: H8E010182-020 **Work Order #...:** CGVEN104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 20
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	800	ug/kg
Aroclor 1221	ND	800	ug/kg
Aroclor 1232	ND	800	ug/kg
Aroclor 1242	ND	800	ug/kg
Aroclor 1248	ND	800	ug/kg
Aroclor 1254	ND G	2600	ug/kg
Aroclor 1260	**6200**	**800**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGWK5101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E050000-110

Prep Date.....: 05/05/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8125110
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8E020129 **Work Order #...:** CGVRN109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E020129-001 CGVRN10A-MSD
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1 **% Moisture.....:** 23

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**116**	**(52 - 144)**			**SW846 8081**
	102	**(52 - 144)**	**13**	**(0-25)**	**SW846 8081**
Aroclor 1260	**0.0 a**	**(45 - 143)**			**SW846 8081**
	0.0 a	**(45 - 143)**	**0.0**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(40 - 134)
	90	(40 - 134)
Decachlorobiphenyl	136	(38 - 174)
	118	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB018 **Work Order #...:** CGWK5102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E050000-110
Prep Date.....: 05/05/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8125110
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**97**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**88**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

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: 6080

TOTAL Metals

Lot-Sample #...: H8E010182-001 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/12-05/13/98	CGVCV10U
		Dilution Factor: 1		Analysis Time..: 06:49		
Prep Batch #...: 8132211						
Aluminum	**10500**	**25.4**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV104**
		Dilution Factor: 1		Analysis Time..: 16:04		
Arsenic	**5.5**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVCV10P**
		Dilution Factor: 1		Analysis Time..: 18:54		
Lead	**10.7**	**0.38**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVCV10Q**
		Dilution Factor: 1		Analysis Time..: 18:54		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV105
		Dilution Factor: 1		Analysis Time..: 16:04		
Barium	**91.3**	**25.4**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV106**
		Dilution Factor: 1		Analysis Time..: 16:04		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-06/04/98	CGVCV10R
		Dilution Factor: 1		Analysis Time..: 18:54		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV107
		Dilution Factor: 1		Analysis Time..: 16:04		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-06/04/98	CGVCV10T
		Dilution Factor: 1		Analysis Time..: 18:54		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV108
		Dilution Factor: 1		Analysis Time..: 16:04		
Calcium	**53600**	**635**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV109**
		Dilution Factor: 1		Analysis Time..: 16:04		
Chromium	**17.3**	**1.3**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV10A**
		Dilution Factor: 1		Analysis Time..: 16:04		
Cobalt	**13.1**	**6.3**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV10C**
		Dilution Factor: 1		Analysis Time..: 16:04		
Copper	**24.0**	**3.2**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVCV10D**
		Dilution Factor: 1		Analysis Time..: 16:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6080

TOTAL Metals

Lot-Sample #...: H8E010182-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21500	12.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10E
		Dilution Factor: 1		Analysis Time..: 16:04		
Magnesium	15200	635	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10F
		Dilution Factor: 1		Analysis Time..: 16:04		
Manganese	658	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10G
		Dilution Factor: 1		Analysis Time..: 16:04		
Nickel	31.3	5.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10H
		Dilution Factor: 1		Analysis Time..: 16:04		
Potassium	2510	635	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10J
		Dilution Factor: 1		Analysis Time..: 16:04		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10K
		Dilution Factor: 1		Analysis Time..: 16:04		
Sodium	ND	635	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10L
		Dilution Factor: 1		Analysis Time..: 16:04		
Vanadium	24.0	6.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10M
		Dilution Factor: 1		Analysis Time..: 16:04		
Zinc	61.8	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVCV10N
		Dilution Factor: 1		Analysis Time..: 16:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

TOTAL Metals

Lot-Sample #...: H8E010182-002 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVD910V
		Dilution Factor: 1		Analysis Time..: 06:56		
Prep Batch #...: 8132211						
Aluminum	6260	25.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVD9105
		Dilution Factor: 1		Analysis Time..: 16:23		
Arsenic	3.0	1.3	mg/kg	SW846 6010A	05/13-06/04/98	CGVD910Q
		Dilution Factor: 1		Analysis Time..: 19:16		
Lead	31.4	0.38	mg/kg	SW846 6010A	05/13-06/04/98	CGVD910R
		Dilution Factor: 1		Analysis Time..: 19:16		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVD9106
		Dilution Factor: 1		Analysis Time..: 16:23		
Barium	36.3	25.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVD9107
		Dilution Factor: 1		Analysis Time..: 16:23		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/13-06/04/98	CGVD910T
		Dilution Factor: 1		Analysis Time..: 19:16		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/13-06/03/98	CGVD9108
		Dilution Factor: 1		Analysis Time..: 16:23		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-06/04/98	CGVD910U
		Dilution Factor: 1		Analysis Time..: 19:16		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/13-06/03/98	CGVD9109
		Dilution Factor: 1		Analysis Time..: 16:23		
Calcium	1890	627	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910A
		Dilution Factor: 1		Analysis Time..: 16:23		
Chromium	8.6	1.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910C
		Dilution Factor: 1		Analysis Time..: 16:23		
Cobalt	ND	6.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910D
		Dilution Factor: 1		Analysis Time..: 16:23		
Copper	5.0	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910E
		Dilution Factor: 1		Analysis Time..: 16:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

TOTAL Metals

Lot-Sample #...: H8E010182-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	9850	12.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910F
		Dilution Factor: 1		Analysis Time..: 16:23		
Magnesium	884	627	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910G
		Dilution Factor: 1		Analysis Time..: 16:23		
Manganese	195	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910H
		Dilution Factor: 1		Analysis Time..: 16:23		
Nickel	6.8	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910J
		Dilution Factor: 1		Analysis Time..: 16:23		
Potassium	ND	627	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910K
		Dilution Factor: 1		Analysis Time..: 16:23		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910L
		Dilution Factor: 1		Analysis Time..: 16:23		
Sodium	ND	627	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910M
		Dilution Factor: 1		Analysis Time..: 16:23		
Vanadium	15.5	6.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910N
		Dilution Factor: 1		Analysis Time..: 16:23		
Zinc	22.9	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVD910P
		Dilution Factor: 1		Analysis Time..: 16:23		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

TOTAL Metals

Lot-Sample #...: H8E010182-003 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVDD10U
		Dilution Factor: 1		Analysis Time..: 06:58		
Prep Batch #...: 8132211						
Aluminum	11100	24.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD104
		Dilution Factor: 1		Analysis Time..: 16:28		
Arsenic	6.6	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDD10P
		Dilution Factor: 1		Analysis Time..: 18:48		
Lead	10.2	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVDD10Q
		Dilution Factor: 1		Analysis Time..: 18:48		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD105
		Dilution Factor: 1		Analysis Time..: 16:28		
Barium	61.5	24.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD106
		Dilution Factor: 1		Analysis Time..: 16:28		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVDD10R
		Dilution Factor: 1		Analysis Time..: 18:48		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD107
		Dilution Factor: 1		Analysis Time..: 16:28		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDD10T
		Dilution Factor: 1		Analysis Time..: 18:48		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD108
		Dilution Factor: 1		Analysis Time..: 16:28		
Calcium	66300	600	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD109
		Dilution Factor: 1		Analysis Time..: 16:28		
Chromium	18.3	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10A
		Dilution Factor: 1		Analysis Time..: 16:28		
Cobalt	12.6	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10C
		Dilution Factor: 1		Analysis Time..: 16:28		
Copper	23.5	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10D
		Dilution Factor: 1		Analysis Time..: 16:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

TOTAL Metals

Lot-Sample #...: H8E010182-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20000	12.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10E
		Dilution Factor: 1		Analysis Time..: 16:28		
Magnesium	18100	600	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10F
		Dilution Factor: 1		Analysis Time..: 16:28		
Manganese	407	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10G
		Dilution Factor: 1		Analysis Time..: 16:28		
Nickel	29.2	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10H
		Dilution Factor: 1		Analysis Time..: 16:28		
Potassium	2860	600	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10J
		Dilution Factor: 1		Analysis Time..: 16:28		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10K
		Dilution Factor: 1		Analysis Time..: 16:28		
Sodium	ND	600	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10L
		Dilution Factor: 1		Analysis Time..: 16:28		
Vanadium	28.5	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10M
		Dilution Factor: 1		Analysis Time..: 16:28		
Zinc	58.9	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVDD10N
		Dilution Factor: 1		Analysis Time..: 16:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

TOTAL Metals

Lot-Sample #...: H8E010182-004 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	0.091	0.042	mg/kg	SW846 7471A	05/12-05/13/98	CGVDF10V
		Dilution Factor: 1		Analysis Time..: 07:00		
Prep Batch #...: 8132211						
Aluminum	155	25.6	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF105
		Dilution Factor: 1		Analysis Time..: 12:34		
Arsenic	ND	1.3	mg/kg	SW846 6010A	05/13-06/04/98	CGVDF10Q
		Dilution Factor: 1		Analysis Time..: 19:44		
Lead	222	0.38	mg/kg	SW846 6010A	05/13-06/04/98	CGVDF10R
		Dilution Factor: 1		Analysis Time..: 19:44		
Antimony	ND	7.7	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF106
		Dilution Factor: 1		Analysis Time..: 12:34		
Barium	ND	25.6	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF107
		Dilution Factor: 1		Analysis Time..: 12:34		
Selenium	ND	0.64	mg/kg	SW846 6010A	05/13-06/04/98	CGVDF10T
		Dilution Factor: 1		Analysis Time..: 19:44		
Beryllium	ND	0.64	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF108
		Dilution Factor: 1		Analysis Time..: 12:34		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/13-06/04/98	CGVDF10U
		Dilution Factor: 1		Analysis Time..: 19:44		
Cadmium	ND	0.64	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF109
		Dilution Factor: 1		Analysis Time..: 12:34		
Calcium	1040	639	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10A
		Dilution Factor: 1		Analysis Time..: 12:34		
Chromium	ND	1.3	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10C
		Dilution Factor: 1		Analysis Time..: 12:34		
Cobalt	ND	6.4	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10D
		Dilution Factor: 1		Analysis Time..: 12:34		
Copper	3.7	3.2	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10E
		Dilution Factor: 1		Analysis Time..: 12:34		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

TOTAL Metals

Lot-Sample #...: H8E010182-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**218**	**12.8**	**mg/kg**	**SW846 6010A**	**05/13-06/09/98**	**CGVDF10F**
		Dilution Factor: 1		Analysis Time..: 12:34		
Magnesium	ND	639	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10G
		Dilution Factor: 1		Analysis Time..: 12:34		
Manganese	**3.0**	**1.9**	**mg/kg**	**SW846 6010A**	**05/13-06/09/98**	**CGVDF10H**
		Dilution Factor: 1		Analysis Time..: 12:34		
Nickel	ND	5.1	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10J
		Dilution Factor: 1		Analysis Time..: 12:34		
Potassium	ND	639	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10K
		Dilution Factor: 1		Analysis Time..: 12:34		
Silver	ND	1.3	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10L
		Dilution Factor: 1		Analysis Time..: 12:34		
Sodium	ND	639	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10M
		Dilution Factor: 1		Analysis Time..: 12:34		
Vanadium	ND	6.4	mg/kg	SW846 6010A	05/13-06/09/98	CGVDF10N
		Dilution Factor: 1		Analysis Time..: 12:34		
Zinc	**6.2**	**2.6**	**mg/kg**	**SW846 6010A**	**05/13-06/09/98**	**CGVDF10P**
		Dilution Factor: 1		Analysis Time..: 12:34		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

TOTAL Metals

Lot-Sample #...: H8E010182-005 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVDK10U
		Dilution Factor: 1		Analysis Time..: 07:02		
Prep Batch #...: 8132211						
Aluminum	11000	24.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK104
		Dilution Factor: 1		Analysis Time..: 16:56		
Arsenic	6.5	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDK10P
		Dilution Factor: 1		Analysis Time..: 19:50		
Lead	10.2	0.37	mg/kg	SW846 6010A	05/13-06/04/98	CGVDK10Q
		Dilution Factor: 1		Analysis Time..: 19:50		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK105
		Dilution Factor: 1		Analysis Time..: 16:56		
Barium	58.6	24.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK106
		Dilution Factor: 1		Analysis Time..: 16:56		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVDK10R
		Dilution Factor: 1		Analysis Time..: 19:50		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK107
		Dilution Factor: 1		Analysis Time..: 16:56		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDK10T
		Dilution Factor: 1		Analysis Time..: 19:50		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK108
		Dilution Factor: 1		Analysis Time..: 16:56		
Calcium	52100	622	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK109
		Dilution Factor: 1		Analysis Time..: 16:56		
Chromium	17.6	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10A
		Dilution Factor: 1		Analysis Time..: 16:56		
Cobalt	10.2	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10C
		Dilution Factor: 1		Analysis Time..: 16:56		
Copper	20.5	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10D
		Dilution Factor: 1		Analysis Time..: 16:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

TOTAL Metals

Lot-Sample #...: H8E010182-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	22300	12.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10E
		Dilution Faotor: 1		Analysis Time..: 16:56		
Magnesium	17500	622	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10F
		Dilution Factor: 1		Analysis Time..: 16:56		
Manganese	436	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10G
		Dilution Factor: 1		Analysis Time..: 16:56		
Nickel	24.2	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10H
		Dilution Factor: 1		Analysis Time..: 16:56		
Potassium	2250	622	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10J
		Dilution Factor: 1		Analysis Time..: 16:56		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10K
		Dilution Factor: 1		Analysis Time..: 16:56		
Sodium	ND	622	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10L
		Dilution Factor: 1		Analysis Time..: 16:56		
Vanadium	28.7	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10M
		Dilution Factor: 1		Analysis Time..: 16:56		
Zinc	71.4	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVDK10N
		Dilution Factor: 1		Analysis Time..: 16:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

TOTAL Metals

Lot-Sample #...: H8E010182-006 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVDP10V
		Dilution Factor: 1		Analysis Time..: 07:05		
Prep Batch #...: 8132211						
Aluminum	**9060**	**23.7**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP105**
		Dilution Factor: 1		Analysis Time..: 17:04		
Arsenic	**8.5**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVDP10Q**
		Dilution Factor: 1		Analysis Time..: 19:55		
Lead	**10.3**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVDP10R**
		Dilution Factor: 1		Analysis Time..: 19:55		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP106
		Dilution Factor: 1		Analysis Time..: 17:04		
Barium	**41.5**	**23.7**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP107**
		Dilution Factor: 1		Analysis Time..: 17:04		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/13-06/04/98	CGVDP10T
		Dilution Factor: 1		Analysis Time..: 19:55		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP108
		Dilution Factor: 1		Analysis Time..: 17:04		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDP10U
		Dilution Factor: 1		Analysis Time..: 19:55		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP109
		Dilution Factor: 1		Analysis Time..: 17:04		
Calcium	**3580**	**592**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP10A**
		Dilution Factor: 1		Analysis Time..: 17:04		
Chromium	**13.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP10C**
		Dilution Factor: 1		Analysis Time..: 17:04		
Cobalt	**12.1**	**5.9**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP10D**
		Dilution Factor: 1		Analysis Time..: 17:04		
Copper	**14.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVDP10E**
		Dilution Factor: 1		Analysis Time..: 17:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

TOTAL Metals

Lot-Sample #...: H8E010182-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20300	11.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10F
		Dilution Factor: 1		Analysis Time..: 17:04		
Magnesium	1640	592	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10G
		Dilution Factor: 1		Analysis Time..: 17:04		
Manganese	360	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10H
		Dilution Factor: 1		Analysis Time..: 17:04		
Nickel	20.1	4.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10J
		Dilution Factor: 1		Analysis Time..: 17:04		
Potassium	674	592	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10K
		Dilution Factor: 1		Analysis Time..: 17:04		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10L
		Dilution Factor: 1		Analysis Time..: 17:04		
Sodium	ND	592	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10M
		Dilution Factor: 1		Analysis Time..: 17:04		
Vanadium	25.3	5.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10N
		Dilution Factor: 1		Analysis Time..: 17:04		
Zinc	52.9	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVDP10P
		Dilution Factor: 1		Analysis Time..: 17:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

TOTAL Metals

Lot-Sample #...: H8E010182-007 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVDR10U
		Dilution Factor: 1		Analysis Time..: 07:12		
Prep Batch #...: 8132211						
Aluminum	7890	24.6	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR104
		Dilution Factor: 1		Analysis Time..: 17:09		
Arsenic	3.9	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDR10P
		Dilution Factor: 1		Analysis Time..: 21:24		
Lead	8.7	0.37	mg/kg	SW846 6010A	05/13-06/04/98	CGVDR10Q
		Dilution Factor: 1		Analysis Time..: 21:24		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR105
		Dilution Factor: 1		Analysis Time..: 17:09		
Barium	39.1	24.6	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR106
		Dilution Factor: 1		Analysis Time..: 17:09		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVDR10R
		Dilution Factor: 1		Analysis Time..: 21:24		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR107
		Dilution Factor: 1		Analysis Time..: 17:09		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDR10T
		Dilution Factor: 1		Analysis Time..: 21:24		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR108
		Dilution Factor: 1		Analysis Time..: 17:09		
Calcium	14200	615	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR109
		Dilution Factor: 1		Analysis Time..: 17:09		
Chromium	11.7	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10A
		Dilution Factor: 1		Analysis Time..: 17:09		
Cobalt	6.7	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10C
		Dilution Factor: 1		Analysis Time..: 17:09		
Copper	11.8	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10D
		Dilution Factor: 1		Analysis Time..: 17:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

TOTAL Metals

Lot-Sample #...: H8E010182-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	14200	12.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10E
		Dilution Factor: 1		Analysis Time..: 17:09		
Magnesium	5390	615	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10F
		Dilution Factor: 1		Analysis Time..: 17:09		
Manganese	166	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10G
		Dilution Factor: 1		Analysis Time..: 17:09		
Nickel	13.1	4.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10H
		Dilution Factor: 1		Analysis Time..: 17:09		
Potassium	1100	615	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10J
		Dilution Factor: 1		Analysis Time..: 17:09		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10K
		Dilution Factor: 1		Analysis Time..: 17:09		
Sodium	ND	615	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10L
		Dilution Factor: 1		Analysis Time..: 17:09		
Vanadium	21.4	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10M
		Dilution Factor: 1		Analysis Time..: 17:09		
Zinc	40.7	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVDR10N
		Dilution Factor: 1		Analysis Time..: 17:09		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

TOTAL Metals

Lot-Sample #...: H8E010182-008 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	0.045	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVDX10V
		Dilution Factor: 1		Analysis Time..: 07:14		
Prep Batch #...: 8132211						
Aluminum	5800	24.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX105
		Dilution Factor: 1		Analysis Time..: 17:14		
Arsenic	3.5	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDX10Q
		Dilution Factor: 1		Analysis Time..: 20:01		
Lead	85.6	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVDX10R
		Dilution Factor: 1		Analysis Time..: 20:01		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX106
		Dilution Factor: 1		Analysis Time..: 17:14		
Barium	43.6	24.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX107
		Dilution Factor: 1		Analysis Time..: 17:14		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/13-06/04/98	CGVDX10T
		Dilution Factor: 1		Analysis Time..: 20:01		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX108
		Dilution Factor: 1		Analysis Time..: 17:14		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVDX10U
		Dilution Factor: 1		Analysis Time..: 20:01		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX109
		Dilution Factor: 1		Analysis Time..: 17:14		
Calcium	4780	605	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10A
		Dilution Factor: 1		Analysis Time..: 17:14		
Chromium	11.1	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10C
		Dilution Factor: 1		Analysis Time..: 17:14		
Cobalt	ND	6.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10D
		Dilution Factor: 1		Analysis Time..: 17:14		
Copper	10.5	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10E
		Dilution Factor: 1		Analysis Time..: 17:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

TOTAL Metals

Lot-Sample #...: H8E010182-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	15300	12.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10F
		Dilution Factor: 1		Analysis Time..: 17:14		
Magnesium	1240	605	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10G
		Dilution Factor: 1		Analysis Time..: 17:14		
Manganese	153	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10H
		Dilution Factor: 1		Analysis Time..: 17:14		
Nickel	9.9	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10J
		Dilution Factor: 1		Analysis Time..: 17:14		
Potassium	ND	605	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10K
		Dilution Factor: 1		Analysis Time..: 17:14		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10L
		Dilution Factor: 1		Analysis Time..: 17:14		
Sodium	ND	605	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10M
		Dilution Factor: 1		Analysis Time..: 17:14		
Vanadium	16.4	6.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10N
		Dilution Factor: 1		Analysis Time..: 17:14		
Zinc	34.8	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVDX10P
		Dilution Factor: 1		Analysis Time..: 17:14		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

TOTAL Metals

Lot-Sample #...: H8E010182-009 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVE010U
		Dilution Factor: 1		Analysis Time..: 07:17		
Prep Batch #...: 8132211						
Aluminum	6630	23.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0104
		Dilution Factor: 1		Analysis Time..: 17:19		
Arsenic	5.0	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE010P
		Dilution Factor: 1		Analysis Time..: 20:06		
Lead	6.4	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVE010Q
		Dilution Factor: 1		Analysis Time..: 20:06		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0105
		Dilution Factor: 1		Analysis Time..: 17:19		
Barium	26.1	23.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0106
		Dilution Factor: 1		Analysis Time..: 17:19		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVE010R
		Dilution Factor: 1		Analysis Time..: 20:06		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0107
		Dilution Factor: 1		Analysis Time..: 17:19		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE010T
		Dilution Factor: 1		Analysis Time..: 20:06		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0108
		Dilution Factor: 1		Analysis Time..: 17:19		
Calcium	1830	598	mg/kg	SW846 6010A	05/13-06/03/98	CGVE0109
		Dilution Factor: 1		Analysis Time..: 17:19		
Chromium	13.2	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010A
		Dilution Factor: 1		Analysis Time..: 17:19		
Cobalt	7.0	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010C
		Dilution Factor: 1		Analysis Time..: 17:19		
Copper	12.2	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010D
		Dilution Factor: 1		Analysis Time..: 17:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

TOTAL Metals

Lot-Sample #...: H8E010182-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17100	12.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010E
		Dilution Factor: 1		Analysis Time..: 17:19		
Magnesium	1060	598	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010F
		Dilution Factor: 1		Analysis Time..: 17:19		
Manganese	135	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010G
		Dilution Factor: 1		Analysis Time..: 17:19		
Nickel	16.1	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010H
		Dilution Factor: 1		Analysis Time..: 17:19		
Potassium	ND	598	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010J
		Dilution Factor: 1		Analysis Time..: 17:19		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010K
		Dilution Factor: 1		Analysis Time..: 17:19		
Sodium	ND	598	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010L
		Dilution Factor: 1		Analysis Time..: 17:19		
Vanadium	24.7	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010M
		Dilution Factor: 1		Analysis Time..: 17:19		
Zinc	44.3	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVE010N
		Dilution Factor: 1		Analysis Time..: 17:19		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

TOTAL Metals

Lot-Sample #...: H8E010182-010 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVE210V
		Dilution Factor: 1		Analysis Time..: 07:19		
Prep Batch #...: 8132211						
Aluminum	**14300**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE2105**
		Dilution Factor: 1		Analysis Time..: 17:24		
Arsenic	**10.6**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVE210Q**
		Dilution Factor: 1		Analysis Time..: 20:12		
Lead	**19.4**	**0.36**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVE210R**
		Dilution Factor: 1		Analysis Time..: 20:12		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE2106
		Dilution Factor: 1		Analysis Time..: 17:24		
Barium	**111**	**24.0**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE2107**
		Dilution Factor: 1		Analysis Time..: 17:24		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVE210T
		Dilution Factor: 1		Analysis Time..: 20:12		
Beryllium	**0.72**	**0.60**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE2108**
		Dilution Factor: 1		Analysis Time..: 17:24		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE210U
		Dilution Factor: 1		Analysis Time..: 20:12		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE2109
		Dilution Factor: 1		Analysis Time..: 17:24		
Calcium	**44200**	**601**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE210A**
		Dilution Factor: 1		Analysis Time..: 17:24		
Chromium	**20.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE210C**
		Dilution Factor: 1		Analysis Time..: 17:24		
Cobalt	**13.2**	**6.0**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE210D**
		Dilution Factor: 1		Analysis Time..: 17:24		
Copper	**26.0**	**3.0**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVE210E**
		Dilution Factor: 1		Analysis Time..: 17:24		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

TOTAL Metals

Lot-Sample #...: H8E010182-010 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	29000	12.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210F
		Dilution Factor: 1		Analysis Time..: 17:24		
Magnesium	10000	601	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210G
		Dilution Factor: 1		Analysis Time..: 17:24		
Manganese	623	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210H
		Dilution Factor: 1		Analysis Time..: 17:24		
Nickel	30.9	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210J
		Dilution Factor: 1		Analysis Time..: 17:24		
Potassium	1550	601	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210K
		Dilution Factor: 1		Analysis Time..: 17:24		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210L
		Dilution Factor: 1		Analysis Time..: 17:24		
Sodium	ND	601	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210M
		Dilution Factor: 1		Analysis Time..: 17:24		
Vanadium	33.6	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210N
		Dilution Factor: 1		Analysis Time..: 17:24		
Zinc	74.6	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVE210P
		Dilution Factor: 1		Analysis Time..: 17:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

TOTAL Metals

Lot-Sample #...: H8E010182-011 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVE410U
		Dilution Factor: 1		Analysis Time..: 07:21		
Prep Batch #...: 8132211						
Aluminum	8840	23.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4104
		Dilution Factor: 1		Analysis Time..: 17:29		
Arsenic	5.0	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE410P
		Dilution Factor: 1		Analysis Time..: 20:17		
Lead	6.8	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVE410Q
		Dilution Factor: 1		Analysis Time..: 20:17		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4105
		Dilution Factor: 1		Analysis Time..: 17:29		
Barium	56.2	23.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4106
		Dilution Factor: 1		Analysis Time..: 17:29		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/13-06/04/98	CGVE410R
		Dilution Factor: 1		Analysis Time..: 20:17		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4107
		Dilution Factor: 1		Analysis Time..: 17:29		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE410T
		Dilution Factor: 1		Analysis Time..: 20:17		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4108
		Dilution Factor: 1		Analysis Time..: 17:29		
Calcium	3580	595	mg/kg	SW846 6010A	05/13-06/03/98	CGVE4109
		Dilution Factor: 1		Analysis Time..: 17:29		
Chromium	13.8	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410A
		Dilution Factor: 1		Analysis Time..: 17:29		
Cobalt	8.2	5.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410C
		Dilution Factor: 1		Analysis Time..: 17:29		
Copper	9.7	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410D
		Dilution Factor: 1		Analysis Time..: 17:29		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

TOTAL Metals

Lot-Sample #...: H8E010182-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17000	11.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410E
		Dilution Factor: 1		Analysis Time..: 17:29		
Magnesium	1690	595	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410F
		Dilution Factor: 1		Analysis Time..: 17:29		
Manganese	187	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410G
		Dilution Factor: 1		Analysis Time..: 17:29		
Nickel	13.9	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410H
		Dilution Factor: 1		Analysis Time..: 17:29		
Potassium	661	595	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410J
		Dilution Factor: 1		Analysis Time..: 17:29		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410K
		Dilution Factor: 1		Analysis Time..: 17:29		
Sodium	ND	595	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410L
		Dilution Factor: 1		Analysis Time..: 17:29		
Vanadium	20.7	5.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410M
		Dilution Factor: 1		Analysis Time..: 17:29		
Zinc	33.0	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVE410N
		Dilution Factor: 1		Analysis Time..: 17:29		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

TOTAL Metals

Lot-Sample #...: H8E010182-012 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	0.045	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVE510V
		Dilution Factor: 1		Analysis Time..: 07:23		
Prep Batch #...: 8132211						
Aluminum	10300	25.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE5105
		Dilution Factor: 1		Analysis Time..: 17:34		
Arsenic	8.6	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE510Q
		Dilution Factor: 1		Analysis Time..: 20:23		
Lead	8.9	0.37	mg/kg	SW846 6010A	05/13-06/04/98	CGVE510R
		Dilution Factor: 1		Analysis Time..: 20:23		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVE5106
		Dilution Factor: 1		Analysis Time..: 17:34		
Barium	69.4	25.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE5107
		Dilution Factor: 1		Analysis Time..: 17:34		
Selenium	0.94	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVE510T
		Dilution Factor: 1		Analysis Time..: 20:23		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVE5108
		Dilution Factor: 1		Analysis Time..: 17:34		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE510U
		Dilution Factor: 1		Analysis Time..: 20:23		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVE5109
		Dilution Factor: 1		Analysis Time..: 17:34		
Calcium	4420	624	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510A
		Dilution Factor: 1		Analysis Time..: 17:34		
Chromium	15.8	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510C
		Dilution Factor: 1		Analysis Time..: 17:34		
Cobalt	11.9	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510D
		Dilution Factor: 1		Analysis Time..: 17:34		
Copper	12.1	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510E
		Dilution Factor: 1		Analysis Time..: 17:34		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

TOTAL Metals

Lot-Sample #...: H8E010182-012 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	28300	12.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510F
		Dilution Factor: 1		Analysis Time..: 17:34		
Magnesium	1750	624	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510G
		Dilution Factor: 1		Analysis Time..: 17:34		
Manganese	340	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510H
		Dilution Factor: 1		Analysis Time..: 17:34		
Nickel	16.3	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510J
		Dilution Factor: 1		Analysis Time..: 17:34		
Potassium	715	624	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510K
		Dilution Factor: 1		Analysis Time..: 17:34		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510L
		Dilution Factor: 1		Analysis Time..: 17:34		
Sodium	ND	624	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510M
		Dilution Factor: 1		Analysis Time..: 17:34		
Vanadium	29.1	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510N
		Dilution Factor: 1		Analysis Time..: 17:34		
Zinc	45.8	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVE510P
		Dilution Factor: 1		Analysis Time..: 17:34		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

TOTAL Metals

Lot-Sample #...: H8E010182-013 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVE810U
		Dilution Factor: 1		Analysis Time..: 07:26		
Prep Batch #...: 8132211						
Aluminum	17400	24.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8104
		Dilution Factor: 1		Analysis Time..: 17:39		
Arsenic	10.9	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE810P
		Dilution Factor: 1		Analysis Time..: 20:28		
Lead	15.4	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVE810Q
		Dilution Factor: 1		Analysis Time..: 20:28		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8105
		Dilution Factor: 1		Analysis Time..: 17:39		
Barium	118	24.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8106
		Dilution Factor: 1		Analysis Time..: 17:39		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVE810R
		Dilution Factor: 1		Analysis Time..: 20:28		
Beryllium	0.94	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8107
		Dilution Factor: 1		Analysis Time..: 17:39		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE810T
		Dilution Factor: 1		Analysis Time..: 20:28		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8108
		Dilution Factor: 1		Analysis Time..: 17:39		
Calcium	4070	603	mg/kg	SW846 6010A	05/13-06/03/98	CGVE8109
		Dilution Factor: 1		Analysis Time..: 17:39		
Chromium	23.0	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810A
		Dilution Factor: 1		Analysis Time..: 17:39		
Cobalt	23.6	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810C
		Dilution Factor: 1		Analysis Time..: 17:39		
Copper	34.5	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810D
		Dilution Factor: 1		Analysis Time..: 17:39		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

TOTAL Metals

Lot-Sample #...: H8E010182-013 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	35100	12.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810E
		Dilution Factor: 1		Analysis Time..: 17:39		
Magnesium	6070	603	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810F
		Dilution Factor: 1		Analysis Time..: 17:39		
Manganese	1070	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810G
		Dilution Factor: 1		Analysis Time..: 17:39		
Nickel	47.2	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810H
		Dilution Factor: 1		Analysis Time..: 17:39		
Potassium	2430	603	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810J
		Dilution Factor: 1		Analysis Time..: 17:39		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810K
		Dilution Factor: 1		Analysis Time..: 17:39		
Sodium	ND	603	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810L
		Dilution Factor: 1		Analysis Time..: 17:39		
Vanadium	32.4	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810M
		Dilution Factor: 1		Analysis Time..: 17:39		
Zinc	86.5	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVE810N
		Dilution Factor: 1		Analysis Time..: 17:39		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

TOTAL Metals

Lot-Sample #...: H8E010182-014 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	0.048	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVE910V
		Dilution Factor: 1		Analysis Time..: 07:28		
Prep Batch #...: 8132211						
Aluminum	11900	23.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE9105
		Dilution Factor: 1		Analysis Time..: 17:54		
Arsenic	9.1	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE910Q
		Dilution Factor: 1		Analysis Time..: 20:34		
Lead	12.8	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVE910R
		Dilution Factor: 1		Analysis Time..: 20:34		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE9106
		Dilution Factor: 1		Analysis Time..: 17:54		
Barium	85.7	23.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE9107
		Dilution Factor: 1		Analysis Time..: 17:54		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVE910T
		Dilution Factor: 1		Analysis Time..: 20:34		
Beryllium	0.67	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE9108
		Dilution Factor: 1		Analysis Time..: 17:54		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVE910U
		Dilution Factor: 1		Analysis Time..: 20:34		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVE9109
		Dilution Factor: 1		Analysis Time..: 17:54		
Calcium	4660	596	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910A
		Dilution Factor: 1		Analysis Time..: 17:54		
Chromium	17.0	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910C
		Dilution Factor: 1		Analysis Time..: 17:54		
Cobalt	13.8	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910D
		Dilution Factor: 1		Analysis Time..: 17:54		
Copper	19.6	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910E
		Dilution Factor: 1		Analysis Time..: 17:54		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

TOTAL Metals

Lot-Sample #...: H8E010182-014 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	24100	11.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910F
		Dilution Factor: 1		Analysis Time..: 17:54		
Magnesium	3260	596	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910G
		Dilution Factor: 1		Analysis Time..: 17:54		
Manganese	616	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910H
		Dilution Factor: 1		Analysis Time..: 17:54		
Nickel	28.1	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910J
		Dilution Factor: 1		Analysis Time..: 17:54		
Potassium	1770	596	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910K
		Dilution Factor: 1		Analysis Time..: 17:54		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910L
		Dilution Factor: 1		Analysis Time..: 17:54		
Sodium	ND	596	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910M
		Dilution Factor: 1		Analysis Time..: 17:54		
Vanadium	28.6	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910N
		Dilution Factor: 1		Analysis Time..: 17:54		
Zinc	71.5	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVE910P
		Dilution Factor: 1		Analysis Time..: 17:54		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

TOTAL Metals

Lot-Sample #...: H8E010182-015 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVEC10U
		Dilution Factor: 1		Analysis Time..: 07:30		
Prep Batch #...: 8132211						
Aluminum	7930	24.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC104
		Dilution Factor: 1		Analysis Time..: 17:59		
Arsenic	6.1	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEC10P
		Dilution Factor: 1		Analysis Time..: 20:51		
Lead	9.4	0.37	mg/kg	SW846 6010A	05/13-06/04/98	CGVEC10Q
		Dilution Factor: 1		Analysis Time..: 20:51		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC105
		Dilution Factor: 1		Analysis Time..: 17:59		
Barium	54.7	24.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC106
		Dilution Factor: 1		Analysis Time..: 17:59		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVEC10R
		Dilution Factor: 1		Analysis Time..: 20:51		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC107
		Dilution Factor: 1		Analysis Time..: 17:59		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEC10T
		Dilution Factor: 1		Analysis Time..: 20:51		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC108
		Dilution Factor: 1		Analysis Time..: 17:59		
Calcium	7020	617	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC109
		Dilution Factor: 1		Analysis Time..: 17:59		
Chromium	14.1	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10A
		Dilution Factor: 1		Analysis Time..: 17:59		
Cobalt	10.1	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10C
		Dilution Factor: 1		Analysis Time..: 17:59		
Copper	16.8	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10D
		Dilution Factor: 1		Analysis Time..: 17:59		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

TOTAL Metals

Lot-Sample #...: H8E010182-015 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19000	12.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10E
		Dilution Factor: 1		Analysis Time..: 17:59		
Magnesium	3670	617	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10F
		Dilution Factor: 1		Analysis Time..: 17:59		
Manganese	208	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10G
		Dilution Factor: 1		Analysis Time..: 17:59		
Nickel	19.4	4.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10H
		Dilution Factor: 1		Analysis Time..: 17:59		
Potassium	820	617	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10J
		Dilution Factor: 1		Analysis Time..: 17:59		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10K
		Dilution Factor: 1		Analysis Time..: 17:59		
Sodium	ND	617	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10L
		Dilution Factor: 1		Analysis Time..: 17:59		
Vanadium	22.8	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10M
		Dilution Factor: 1		Analysis Time..: 17:59		
Zinc	47.5	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEC10N
		Dilution Factor: 1		Analysis Time..: 17:59		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

TOTAL Metals

Lot-Sample #...: H8E010182-016 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/12-05/13/98	CGVEE10V
		Dilution Factor: 1		Analysis Time..: 07:33		
Prep Batch #...: 8132211						
Aluminum	6250	23.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE105
		Dilution Factor: 1		Analysis Time..: 18:04		
Arsenic	3.5	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEE10Q
		Dilution Factor: 1		Analysis Time..: 20:56		
Lead	4.7	0.35	mg/kg	SW846 6010A	05/13-06/04/98	CGVEE10R
		Dilution Factor: 1		Analysis Time..: 20:56		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE106
		Dilution Factor: 1		Analysis Time..: 18:04		
Barium	24.4	23.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE107
		Dilution Factor: 1		Analysis Time..: 18:04		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/13-06/04/98	CGVEE10T
		Dilution Factor: 1		Analysis Time..: 20:56		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE108
		Dilution Factor: 1		Analysis Time..: 18:04		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEE10U
		Dilution Factor: 1		Analysis Time..: 20:56		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE109
		Dilution Factor: 1		Analysis Time..: 18:04		
Calcium	1440	586	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10A
		Dilution Factor: 1		Analysis Time..: 18:04		
Chromium	9.2	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10C
		Dilution Factor: 1		Analysis Time..: 18:04		
Cobalt	7.8	5.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10D
		Dilution Factor: 1		Analysis Time..: 18:04		
Copper	5.1	2.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10E
		Dilution Factor: 1		Analysis Time..: 18:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

TOTAL Metals

Lot-Sample #...: H8E010182-016 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	10800	11.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10F
		Dilution Factor: 1		Analysis Time..: 18:04		
Magnesium	1080	586	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10G
		Dilution Factor: 1		Analysis Time..: 18:04		
Manganese	278	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10H
		Dilution Factor: 1		Analysis Time..: 18:04		
Nickel	9.2	4.7	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10J
		Dilution Factor: 1		Analysis Time..: 18:04		
Potassium	ND	586	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10K
		Dilution Factor: 1		Analysis Time..: 18:04		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10L
		Dilution Factor: 1		Analysis Time..: 18:04		
Sodium	ND	586	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10M
		Dilution Factor: 1		Analysis Time..: 18:04		
Vanadium	18.7	5.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10N
		Dilution Factor: 1		Analysis Time..: 18:04		
Zinc	22.4	2.3	mg/kg	SW846 6010A	05/13-06/03/98	CGVEE10P
		Dilution Factor: 1		Analysis Time..: 18:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

TOTAL Metals

Lot-Sample #...: H8E010182-017 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVEF10U
		Dilution Factor: 1		Analysis Time..: 07:40		
Prep Batch #...: 8132211						
Aluminum	11300	24.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF104
		Dilution Factor: 1		Analysis Time..: 18:09		
Arsenic	6.6	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEF10P
		Dilution Factor: 1		Analysis Time..: 21:02		
Lead	9.1	0.37	mg/kg	SW846 6010A	05/13-06/04/98	CGVEF10Q
		Dilution Factor: 1		Analysis Time..: 21:02		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF105
		Dilution Factor: 1		Analysis Time..: 18:09		
Barium	81.5	24.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF106
		Dilution Factor: 1		Analysis Time..: 18:09		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVEF10R
		Dilution Factor: 1		Analysis Time..: 21:02		
Beryllium	0.62	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF107
		Dilution Factor: 1		Analysis Time..: 18:09		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEF10T
		Dilution Factor: 1		Analysis Time..: 21:02		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF108
		Dilution Factor: 1		Analysis Time..: 18:09		
Calcium	4150	623	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF109
		Dilution Factor: 1		Analysis Time..: 18:09		
Chromium	17.8	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10A
		Dilution Factor: 1		Analysis Time..: 18:09		
Cobalt	13.0	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10C
		Dilution Factor: 1		Analysis Time..: 18:09		
Copper	17.4	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10D
		Dilution Factor: 1		Analysis Time..: 18:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

TOTAL Metals

Lot-Sample #...: H8E010182-017 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	22200	12.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10E
		Dilution Factor: 1		Analysis Time..: 18:09		
Magnesium	3340	623	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10F
		Dilution Factor: 1		Analysis Time..: 18:09		
Manganese	642	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10G
		Dilution Factor: 1		Analysis Time..: 18:09		
Nickel	26.5	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10H
		Dilution Factor: 1		Analysis Time..: 18:09		
Potassium	1250	623	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10J
		Dilution Factor: 1		Analysis Time..: 18:09		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10K
		Dilution Factor: 1		Analysis Time..: 18:09		
Sodium	ND	623	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10L
		Dilution Factor: 1		Analysis Time..: 18:09		
Vanadium	24.1	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10M
		Dilution Factor: 1		Analysis Time..: 18:09		
Zinc	62.6	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEF10N
		Dilution Factor: 1		Analysis Time..: 18:09		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

TOTAL Metals

Lot-Sample #...: H8E010182-018 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVEJ10V
		Dilution Factor: 1		Analysis Time..: 07:42		
Prep Batch #...: 8132211						
Aluminum	7930	25.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ105
		Dilution Factor: 1		Analysis Time..: 18:14		
Arsenic	7.6	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEJ10Q
		Dilution Factor: 1		Analysis Time..: 21:07		
Lead	11.2	0.38	mg/kg	SW846 6010A	05/13-06/04/98	CGVEJ10R
		Dilution Factor: 1		Analysis Time..: 21:07		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ106
		Dilution Factor: 1		Analysis Time..: 18:14		
Barium	71.2	25.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ107
		Dilution Factor: 1		Analysis Time..: 18:14		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/13-06/04/98	CGVEJ10T
		Dilution Factor: 1		Analysis Time..: 21:07		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ108
		Dilution Factor: 1		Analysis Time..: 18:14		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEJ10U
		Dilution Factor: 1		Analysis Time..: 21:07		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ109
		Dilution Factor: 1		Analysis Time..: 18:14		
Calcium	3270	625	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10A
		Dilution Factor: 1		Analysis Time..: 18:14		
Chromium	10	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10C
		Dilution Factor: 1		Analysis Time..: 18:14		
Cobalt	15.2	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10D
		Dilution Factor: 1		Analysis Time..: 18:14		
Copper	9.8	3.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10E
		Dilution Factor: 1		Analysis Time..: 18:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

TOTAL Metals

Lot-Sample #...: H8E010182-018 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18800	12.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10F
		Dilution Factor: 1		Analysis Time..: 18:14		
Magnesium	1360	625	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10G
		Dilution Factor: 1		Analysis Time..: 18:14		
Manganese	910	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10H
		Dilution Factor: 1		Analysis Time..: 18:14		
Nickel	11.4	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10J
		Dilution Factor: 1		Analysis Time..: 18:14		
Potassium	ND	625	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10K
		Dilution Factor: 1		Analysis Time..: 18:14		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10L
		Dilution Factor: 1		Analysis Time..: 18:14		
Sodium	ND	625	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10M
		Dilution Factor: 1		Analysis Time..: 18:14		
Vanadium	23.9	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10N
		Dilution Factor: 1		Analysis Time..: 18:14		
Zinc	31.2	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEJ10P
		Dilution Factor: 1		Analysis Time..: 18:14		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

TOTAL Metals

Lot-Sample #...: H8E010182-019 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVEK10U
		Dilution Factor: 1		Analysis Time..: 07:45		
Prep Batch #...: 8132211						
Aluminum	**11100**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK104**
		Dilution Factor: 1		Analysis Time..: 18:19		
Arsenic	**3.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVEK10P**
		Dilution Factor: 1		Analysis Time..: 21:13		
Lead	**10**	**0.37**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVEK10Q**
		Dilution Factor: 1		Analysis Time..: 21:13		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK105
		Dilution Factor: 1		Analysis Time..: 18:19		
Barium	**60.4**	**24.8**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK106**
		Dilution Factor: 1		Analysis Time..: 18:19		
Selenium	**1.2**	**0.62**	**mg/kg**	**SW846 6010A**	**05/13-06/04/98**	**CGVEK10R**
		Dilution Factor: 1		Analysis Time..: 21:13		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK107
		Dilution Factor: 1		Analysis Time..: 18:19		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEK10T
		Dilution Factor: 1		Analysis Time..: 21:13		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK108
		Dilution Factor: 1		Analysis Time..: 18:19		
Calcium	**57300**	**619**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK109**
		Dilution Factor: 1		Analysis Time..: 18:19		
Chromium	**19.3**	**1.2**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK10A**
		Dilution Factor: 1		Analysis Time..: 18:19		
Cobalt	**9.3**	**6.2**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK10C**
		Dilution Factor: 1		Analysis Time..: 18:19		
Copper	**23.4**	**3.1**	**mg/kg**	**SW846 6010A**	**05/13-06/03/98**	**CGVEK10D**
		Dilution Factor: 1		Analysis Time..: 18:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

TOTAL Metals

Lot-Sample #...: H8E010182-019 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20100	12.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10E
		Dilution Factor: 1		Analysis Time..: 18:19		
Magnesium	16400	619	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10F
		Dilution Factor: 1		Analysis Time..: 18:19		
Manganese	328	1.9	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10G
		Dilution Factor: 1		Analysis Time..: 18:19		
Nickel	25.6	5.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10H
		Dilution Factor: 1		Analysis Time..: 18:19		
Potassium	2560	619	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10J
		Dilution Factor: 1		Analysis Time..: 18:19		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10K
		Dilution Factor: 1		Analysis Time..: 18:19		
Sodium	ND	619	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10L
		Dilution Factor: 1		Analysis Time..: 18:19		
Vanadium	25.9	6.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10M
		Dilution Factor: 1		Analysis Time..: 18:19		
Zinc	61.4	2.5	mg/kg	SW846 6010A	05/13-06/03/98	CGVEK10N
		Dilution Factor: 1		Analysis Time..: 18:19		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

TOTAL Metals

Lot-Sample #...: H8E010182-020 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131281						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/12-05/13/98	CGVEN10V
		Dilution Factor: 1		Analysis Time..: 07:47		
Prep Batch #...: 8132211						
Aluminum	7480	24.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN105
		Dilution Factor: 1		Analysis Time..: 18:24		
Arsenic	17.3	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEN10Q
		Dilution Factor: 1		Analysis Time..: 21:18		
Lead	23.1	0.36	mg/kg	SW846 6010A	05/13-06/04/98	CGVEN10R
		Dilution Factor: 1		Analysis Time..: 21:18		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN1C6
		Dilution Factor: 1		Analysis Time..: 18:24		
Barium	72.9	24.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN107
		Dilution Factor: 1		Analysis Time..: 18:24		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/13-06/04/98	CGVEN10T
		Dilution Factor: 1		Analysis Time..: 21:18		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN108
		Dilution Factor: 1		Analysis Time..: 18:24		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-06/04/98	CGVEN10U
		Dilution Factor: 1		Analysis Time..: 21:18		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN109
		Dilution Factor: 1		Analysis Time..: 18:24		
Calcium	4840	604	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10A
		Dilution Factor: 1		Analysis Time..: 18:24		
Chromium	14.7	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10C
		Dilution Factor: 1		Analysis Time..: 18:24		
Cobalt	8.4	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10D
		Dilution Factor: 1		Analysis Time..: 18:24		
Copper	16.2	3.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10E
		Dilution Factor: 1		Analysis Time..: 18:24		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

TOTAL Metals

Lot-Sample #...: H8E010182-020 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	22500	12.1	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10F
		Dilution Factor: 1		Analysis Time..: 18:24		
Magnesium	2050	604	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10G
		Dilution Factor: 1		Analysis Time..: 18:24		
Manganese	187	1.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10H
		Dilution Factor: 1		Analysis Time..: 18:24		
Nickel	13.6	4.8	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10J
		Dilution Factor: 1		Analysis Time..: 18:24		
Potassium	1110	604	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10K
		Dilution Factor: 1		Analysis Time..: 18:24		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10L
		Dilution Factor: 1		Analysis Time..: 18:24		
Sodium	ND	604	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10M
		Dilution Factor: 1		Analysis Time..: 18:24		
Vanadium	23.3	6.0	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10N
		Dilution Factor: 1		Analysis Time..: 18:24		
Zinc	49.2	2.4	mg/kg	SW846 6010A	05/13-06/03/98	CGVEN10P
		Dilution Factor: 1		Analysis Time..: 18:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

TOTAL Metals

Lot-Sample #...: H8E010182-021 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8131287						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/12-05/13/98	CGVEQ10U
		Dilution Factor: 1		Analysis Time..: 07:54		
Prep Batch #...: 8132213						
Aluminum	8440	24.6	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ104
		Dilution Factor: 1		Analysis Time..: 18:03		
Arsenic	6.3	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVEQ10P
		Dilution Factor: 1		Analysis Time..: 11:13		
Lead	10.6	0.37	mg/kg	SW846 6010A	05/13-05/26/98	CGVEQ10Q
		Dilution Factor: 1		Analysis Time..: 11:13		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ105
		Dilution Factor: 1		Analysis Time..: 18:03		
Barium	63.0	24.6	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ106
		Dilution Factor: 1		Analysis Time..: 18:03		
Selenium	0.78	0.62	mg/kg	SW846 6010A	05/13-05/26/98	CGVEQ10R
		Dilution Factor: 1		Analysis Time..: 11:13		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ107
		Dilution Factor: 1		Analysis Time..: 18:03		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/13-05/26/98	CGVEQ10T
		Dilution Factor: 1		Analysis Time..: 11:13		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ108
		Dilution Factor: 1		Analysis Time..: 18:03		
Calcium	55400	616	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ109
		Dilution Factor: 1		Analysis Time..: 18:03		
Chromium	14.4	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10A
		Dilution Factor: 1		Analysis Time..: 18:03		
Cobalt	13.4	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10C
		Dilution Factor: 1		Analysis Time..: 18:03		
Copper	22.6	3.1	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10D
		Dilution Factor: 1		Analysis Time..: 18:03		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

TOTAL Metals

Lot-Sample #...: H8E010182-021 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20300	12.3	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10E
		Dilution Factor: 1		Analysis Time..: 18:03		
Magnesium	19400	616	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10F
		Dilution Factor: 1		Analysis Time..: 18:03		
Manganese	355	1.8	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10G
		Dilution Factor: 1		Analysis Time..: 18:03		
Nickel	27.5	4.9	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10H
		Dilution Factor: 1		Analysis Time..: 18:03		
Potassium	1680	616	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10J
		Dilution Factor: 1		Analysis Time..: 18:03		
Silver	ND	1.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10K
		Dilution Factor: 1		Analysis Time..: 18:03		
Sodium	ND	616	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10L
		Dilution Factor: 1		Analysis Time..: 18:03		
Vanadium	26.5	6.2	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10M
		Dilution Factor: 1		Analysis Time..: 18:03		
Zinc	65.1	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CGVEQ10N
		Dilution Factor: 1		Analysis Time..: 18:03		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H8E010182 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E110000-281 **Prep Batch #...:** 8131281						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/12-05/13/98	CH3GC101
		Dilution Factor: 1				
		Analysis Time..: 06:44				
MB Lot-Sample #: H8E110000-287 **Prep Batch #...:** 8131287						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/12-05/13/98	CH3GG101
		Dilution Factor: 1				
		Analysis Time..: 07:49				
MB Lot-Sample #: H8E120000-211 **Prep Batch #...:** 8132211						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10J
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/13-06/04/98	CH45G10E
		Dilution Factor: 1				
		Analysis Time..: 17:38				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10K
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Lead	ND	0.30	mg/kg	SW846 6010A	05/13-06/04/98	CH45G10F
		Dilution Factor: 1				
		Analysis Time..: 17:38				
Barium	ND	20.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10L
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/13-06/04/98	CH45G10G
		Dilution Factor: 1				
		Analysis Time..: 17:38				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10M
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/13-06/04/98	CH45G10H
		Dilution Factor: 1				
		Analysis Time..: 17:38				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H8E010182 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10N
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Calcium	ND	500	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10P
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G101
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G102
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Copper	ND	2.5	mg/kg	SW846 6010A	05/13-06/09/98	CH45G103
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Iron	ND	10.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G104
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Magnesium	ND	500	mg/kg	SW846 6010A	05/13-06/09/98	CH45G105
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/13-06/09/98	CH45G106
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G107
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Potassium	ND	500	mg/kg	SW846 6010A	05/13-06/09/98	CH45G108
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Silver	ND	1.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G109
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Sodium	ND	500	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10A
		Dilution Factor: 1				
		Analysis Time..: 11:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H8E010182 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10C
		Dilution Factor: 1				
		Analysis Time..: 11:54				
Zinc	ND	2.0	mg/kg	SW846 6010A	05/13-06/09/98	CH45G10D
		Dilution Factor: 1				
		Analysis Time..: 11:54				

MB Lot-Sample #: H8E120000-213 **Prep Batch #...:** 8132213

Aluminum	ND	20.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10J
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10E
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10K
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Lead	ND	0.30	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10F
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Barium	ND	20.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10L
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10G
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10M
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/13-05/26/98	CH45M10H
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10N
		Dilution Factor: 1				
		Analysis Time..: 17:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H8E010182 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10P
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M101
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M102
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Copper	ND	2.5	mg/kg	SW846 6010A	05/13-05/23/98	CH45M103
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Iron	ND	10.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M104
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Magnesium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M105
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/13-05/23/98	CH45M106
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M107
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Potassium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M108
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Silver	ND	1.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M109
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Sodium	ND	500	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10A
		Dilution Factor: 1				
		Analysis Time..: 17:54				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10C
		Dilution Factor: 1				
		Analysis Time..: 17:54				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H8E010182 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/13-05/23/98	CH45M10D

Dilution Factor: 1
Analysis Time..: 17:54

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E010182-001 Prep Batch #...: 8131281							
Mercury	103	(55 - 130)			SW846 7471A	05/12-05/13/98	CGVCV110
	105	(55 - 130)	1.9	(0-20)	SW846 7471A	05/12-05/13/98	CGVCV111
		Dilution Factor: 1					
		Analysis Time..: 06:51					
MS Lot-Sample #: H8E010182-001 Prep Batch #...: 8132211							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV126
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-06/03/98	CGVCV127
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Arsenic	82	(80 - 120)			SW846 6010A	05/13-06/04/98	CGVCV11W
	84	(80 - 120)	1.6	(0-20)	SW846 6010A	05/13-06/04/98	CGVCV11X
		Dilution Factor: 1					
		Analysis Time..: 18:59					
Antimony	47 N	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV128
	56 N	(80 - 120)	17	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV129
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Lead	80	(80 - 120)			SW846 6010A	05/13-06/04/98	CGVCV120
	82	(80 - 120)	1.4	(0-20)	SW846 6010A	05/13-06/04/98	CGVCV121
		Dilution Factor: 1					
		Analysis Time..: 18:59					
Barium	106	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV12A
	93	(80 - 120)	9.5	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV12C
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Selenium	80	(80 - 120)			SW846 6010A	05/13-06/04/98	CGVCV122
	81	(80 - 120)	1.8	(0-20)	SW846 6010A	05/13-06/04/98	CGVCV123
		Dilution Factor: 1					
		Analysis Time..: 18:59					
Beryllium	102	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV12D
	104	(80 - 120)	1.4	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV12E
		Dilution Factor: 1					
		Analysis Time..: 16:09					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	76 N	(80 - 120)			SW846 6010A	05/13-06/04/98	CGVCV124
	77 N	(80 - 120)	1.2	(0-20)	SW846 6010A	05/13-06/04/98	CGVCV125
		Dilution Factor: 1					
		Analysis Time..: 18:59					
Cadmium	103	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV12F
	111	(80 - 120)	7.2	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV12G
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Calcium	NC,MSB	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV12H
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-06/03/98	CGVCV12J
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Chromium	116	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV114
	124 N	(80 - 120)	4.3	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV115
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Cobalt	90	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV116
	88	(80 - 120)	1.4	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV117
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Copper	89	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV118
	92	(80 - 120)	1.6	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV119
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11A
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11C
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Magnesium	108	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11D
	124 N	(80 - 120)	4.3	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11E
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Manganese	449 N	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11F
	55 N,*	(80 - 120)	31	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11G
		Dilution Factor: 1					
		Analysis Time..: 16:09					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	96	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11H
	89	(80 - 120)	4.6	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11J
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Potassium	140 N	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11K
	148 N	(80 - 120)	4.0	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11L
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Silver	93	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11M
	92	(80 - 120)	0.73	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11N
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Sodium	108	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11P
	109	(80 - 120)	0.99	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11Q
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Vanadium	111	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11R
	117	(80 - 120)	3.6	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11T
		Dilution Factor: 1					
		Analysis Time..: 16:09					
Zinc	99	(80 - 120)			SW846 6010A	05/13-06/03/98	CGVCV11U
	101	(80 - 120)	0.85	(0-20)	SW846 6010A	05/13-06/03/98	CGVCV11V
		Dilution Factor: 1					
		Analysis Time..: 16:09					

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.

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.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E110000-281 **Prep Batch #...:** 8131281					
Mercury	101	(80 - 120)	SW846 7471A	05/12-05/13/98	CH3GC102
		Dilution Factor: 1			
		Analysis Time..: 06:46			
LCS Lot-Sample#: H8E110000-287 **Prep Batch #...:** 8131287					
Mercury	102	(80 - 120)	SW846 7471A	05/12-05/13/98	CH3GG102
		Dilution Factor: 1			
		Analysis Time..: 07:52			
LCS Lot-Sample#: H8E120000-211 **Prep Batch #...:** 8132211					
Chromium	107	(87 - 118)	SW846 6010A	05/13-06/09/98	CH45G10Q
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Cobalt	101	(87 - 110)	SW846 6010A	05/13-06/09/98	CH45G10R
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Copper	97	(86 - 111)	SW846 6010A	05/13-06/09/98	CH45G10T
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Iron	96	(87 - 120)	SW846 6010A	05/13-06/09/98	CH45G10U
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Magnesium	103	(86 - 119)	SW846 6010A	05/13-06/09/98	CH45G10V
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Manganese	100	(89 - 112)	SW846 6010A	05/13-06/09/98	CH45G10W
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Nickel	103	(88 - 115)	SW846 6010A	05/13-06/09/98	CH45G10X
		Dilution Factor: 1			
		Analysis Time..: 11:59			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	100	(86 - 119)	SW846 6010A	05/13-06/09/98	CH45G11A
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Barium	98	(88 - 110)	SW846 6010A	05/13-06/09/98	CH45G11C
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Beryllium	106	(80 - 118)	SW846 6010A	05/13-06/09/98	CH45G11D
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Cadmium	103	(80 - 113)	SW846 6010A	05/13-06/09/98	CH45G11E
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Calcium	103	(84 - 117)	SW846 6010A	05/13-06/09/98	CH45G11F
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Potassium	51 N	(83 - 113)	SW846 6010A	05/13-06/09/98	CH45G110
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Silver	95	(80 - 117)	SW846 6010A	05/13-06/09/98	CH45G111
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Sodium	105	(85 - 115)	SW846 6010A	05/13-06/09/98	CH45G112
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Vanadium	102	(89 - 113)	SW846 6010A	05/13-06/09/98	CH45G113
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Zinc	101	(89 - 118)	SW846 6010A	05/13-06/09/98	CH45G114
		Dilution Factor: 1			
		Analysis Time..: 11:59			
Arsenic	90	(83 - 110)	SW846 6010A	05/13-06/04/98	CH45G115
		Dilution Factor: 1			
		Analysis Time..: 17:59			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	93	(84 - 110)	SW846 6010A	05/13-06/04/98	CH45G116
		Dilution Factor: 1			
		Analysis Time..: 17:59			
Selenium	87	(80 - 110)	SW846 6010A	05/13-06/04/98	CH45G117
		Dilution Factor: 1			
		Analysis Time..: 17:59			
Thallium	87	(83 - 110)	SW846 6010A	05/13-06/04/98	CH45G118
		Dilution Factor: 1			
		Analysis Time..: 17:59			
Aluminum	105	(89 - 119)	SW846 6010A	05/13-06/09/98	CH45G119
		Dilution Factor: 1			
		Analysis Time..: 11:59			
LCS Lot-Sample#:	H8E120000-213	**Prep Batch #...:** 8132213			
Chromium	100	(87 - 118)	SW846 6010A	05/13-05/23/98	CH45M10Q
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Cobalt	94	(87 - 110)	SW846 6010A	05/13-05/23/98	CH45M10R
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Copper	89	(86 - 111)	SW846 6010A	05/13-05/23/98	CH45M10T
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Iron	92	(87 - 120)	SW846 6010A	05/13-05/23/98	CH45M10U
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Magnesium	97	(86 - 119)	SW846 6010A	05/13-05/23/98	CH45M10V
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Manganese	94	(89 - 112)	SW846 6010A	05/13-05/23/98	CH45M10W
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Nickel	97	(88 - 115)	SW846 6010A	05/13-05/23/98	CH45M10X
		Dilution Factor: 1			
		Analysis Time..: 17:58			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	92	(86 - 119)	SW846 6010A	05/13-05/23/98	CH45M11A
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Barium	94	(88 - 110)	SW846 6010A	05/13-05/23/98	CH45M11C
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Beryllium	99	(80 - 118)	SW846 6010A	05/13-05/23/98	CH45M11D
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Cadmium	97	(80 - 113)	SW846 6010A	05/13-05/23/98	CH45M11E
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Calcium	98	(84 - 117)	SW846 6010A	05/13-05/23/98	CH45M11F
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Potassium	96	(83 - 113)	SW846 6010A	05/13-05/23/98	CH45M110
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Silver	90	(80 - 117)	SW846 6010A	05/13-05/23/98	CH45M111
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Sodium	97	(85 - 115)	SW846 6010A	05/13-05/23/98	CH45M112
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Vanadium	98	(89 - 113)	SW846 6010A	05/13-05/23/98	CH45M113
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Zinc	94	(89 - 118)	SW846 6010A	05/13-05/23/98	CH45M114
		Dilution Factor: 1			
		Analysis Time..: 17:58			
Arsenic	94	(83 - 110)	SW846 6010A	05/13-05/26/98	CH45M115
		Dilution Factor: 1			
		Analysis Time..: 11:07			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

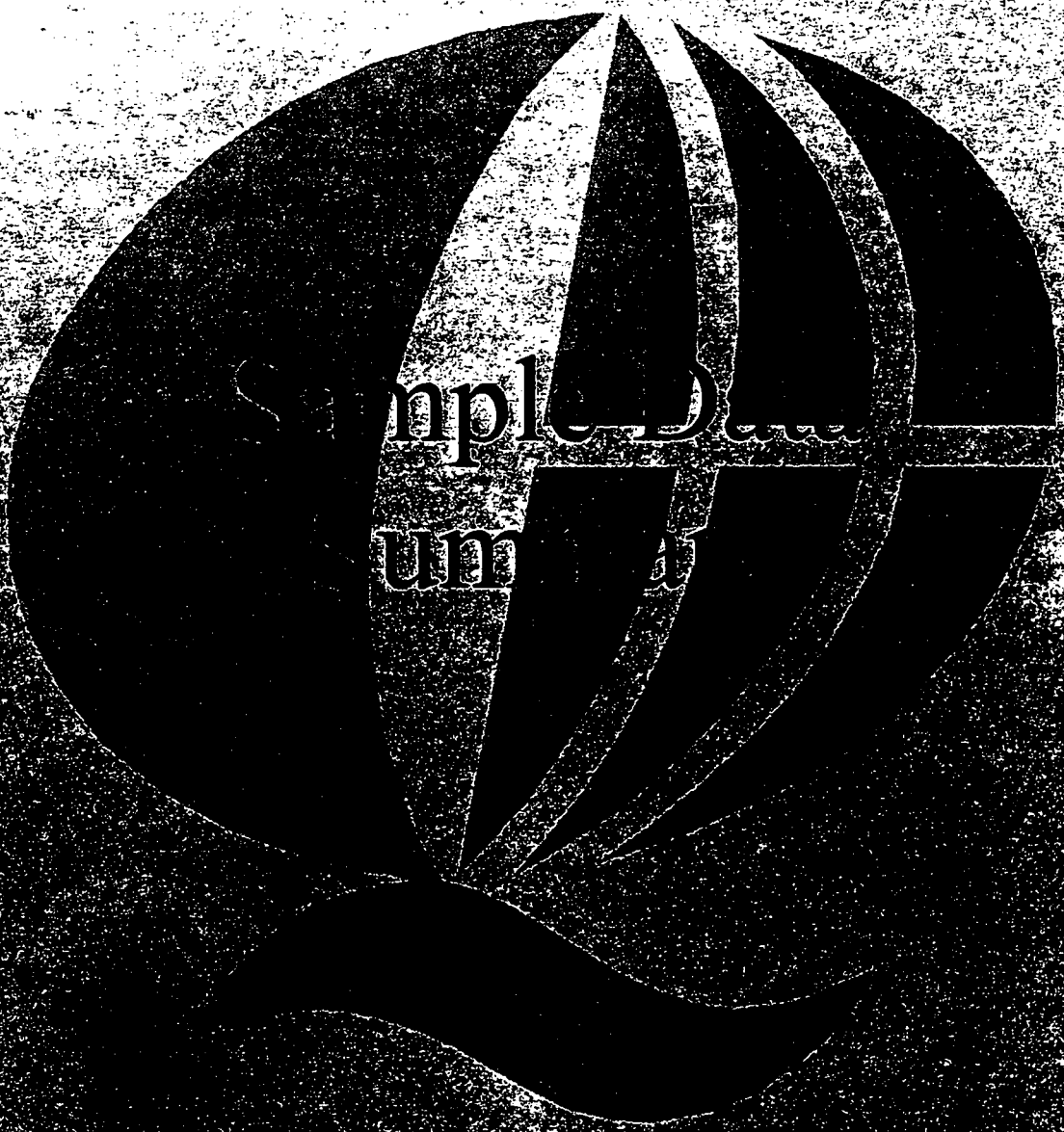
Client Lot #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	96	(84 - 110)	SW846 6010A	05/13-05/26/98	CH45M116
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Selenium	91	(80 - 110)	SW846 6010A	05/13-05/26/98	CH45M117
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Thallium	91	(83 - 110)	SW846 6010A	05/13-05/26/98	CH45M118
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Aluminum	98	(89 - 119)	SW846 6010A	05/13-05/23/98	CH45M119
		Dilution Factor: 1			
		Analysis Time..: 17:58			

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.



IT CORPORATION - KNOXVILLE

Client Sample ID: 6080

General Chemistry

Lot-Sample #...: H8E010182-001 Work Order #...: CGVCV Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Percent Moisture	21.2	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	216	12.7	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6090

General Chemistry

Lot-Sample #...: H8E010182-002 Work Order #...: CGVD9 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.6	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	20.3	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	21.4	12.5	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6100

General Chemistry

Lot-Sample #...: H8E010182-003 Work Order #...: CGVDD Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	16.7	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	74.3	12.0	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6110

General Chemistry

Lot-Sample #...: H8E010182-004 Work Order #...: CGVDF Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.3	0.10	No Units	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1				
Nitrate as N	ND	6.4	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	3910	256	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6120

General Chemistry

Lot-Sample #...: H8E010182-005 Work Order #...: CGVDK Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	58.6	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	19.6	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	5440	249	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6130

General Chemistry

Lot-Sample #...: H8E010182-006 **Work Order #...:** CGVDP **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.0**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**15.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139193**
		Dilution Factor: 1				
Sulfate	**321**	**47.3**	**mg/kg**	**SW846 9056**	**05/02-05/04/98**	**8128208**
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6140

General Chemistry

Lot-Sample #...: H8E010182-007 Work Order #...: CGVDR Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.0	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	18.7	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	766	49.2	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6150

General Chemistry

Lot-Sample #...: H8E010182-008 **Work Order #...:** CGVDX **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.8	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	13.4	12.1	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6160

General Chemistry

Lot-Sample #...: H8E010182-009 Work Order #...: CGVE0 Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	6.3	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	16.4	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	168	12.0	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6170

General Chemistry

Lot-Sample #...: H8E010182-010 **Work Order #...:** CGVE2 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**16.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139193**
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6180

General Chemistry

Lot-Sample #...: H8E010182-011 Work Order #...: CGVE4 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.1	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	15.9	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	218	11.9	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6190

General Chemistry

Lot-Sample #...: H8E010182-012 Work Order #...: CGVE5 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.1	0.10	No Units	SW846 9045A	05/02/98	8124168
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	19.9	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139193
		Dilution Factor: 1				
Sulfate	24.4	12.5	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6200

General Chemistry

Lot-Sample #...: H8E010182-013 **Work Order #...:** CGVE8 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.6**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**17.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139193**
		Dilution Factor: 1				
Sulfate	ND	12.1	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6210

General Chemistry

Lot-Sample #...: H8E010182-014 **Work Order #...:** CGVE9 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**16.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139193**
		Dilution Factor: 1				
Sulfate	ND	11.9	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6220

General Chemistry

Lot-Sample #...: H8E010182-015 Work Order #...: CGVEC Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	18.9	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139194
		Dilution Factor: 1				
Sulfate	46.5	12.3	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6250

General Chemistry

Lot-Sample #...: H8E010182-016 **Work Order #...:** CGVEE **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.1**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**14.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139194**
		Dilution Factor: 1				
Sulfate	ND	11.7	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6260

General Chemistry

Lot-Sample #...: H8E010182-017 **Work Order #...:** CGVEF **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.6**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124154**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**19.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139194**
		Dilution Factor: 1				
Sulfate	ND	12.5	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6270

General Chemistry

Lot-Sample #...: H8E010182-018 **Work Order #...:** CGVEJ **Matrix.....:** SOLID
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	20.0	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139194
		Dilution Factor: 1				
Sulfate	108	12.5	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6280

General Chemistry

Lot-Sample #...: H8E010182-019 Work Order #...: CGVEK Matrix.....: SOLID
Date Sampled...: 04/29/98 Date Received..: 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	19.2	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139194
		Dilution Factor: 1				
Sulfate	208	12.4	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6290

General Chemistry

Lot-Sample #...: H8E010182-020 **Work Order #...:** CGVEN **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.6	0.10	No Units	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	17.2	0.10	%	MCAWW 160.3 MOD	05/18-05/19/98	8139194
		Dilution Factor: 1				
Sulfate	16.4	12.1	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6300

General Chemistry

Lot-Sample #...: H8E010182-021 **Work Order #...:** CGVEQ **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.0**	**0.10**	**No Units**	**SW846 9045A**	**05/02/98**	**8124145**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Percent Moisture	**18.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/18-05/19/98**	**8139194**
		Dilution Factor: 1				
Sulfate	**141**	**12.3**	**mg/kg**	**SW846 9056**	**05/02-05/04/98**	**8128208**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8E010182 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH21E101		MB Lot-Sample #:	B8E080000-202	
	ND	5.0	mg/kg	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1				
Nitrate as N		Work Order #: CH21W101		MB Lot-Sample #:	B8E080000-205	
	ND	5.0	mg/kg	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1				
Sulfate		Work Order #: CH22A101		MB Lot-Sample #:	B8E080000-208	
	ND	10.0	mg/kg	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1				
Sulfate		Work Order #: CH22H101		MB Lot-Sample #:	B8E080000-210	
	ND	10.0	mg/kg	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1				
Sulfate		Work Order #: CH244101		MB Lot-Sample #:	B8E080000-220	
	ND	10.0	mg/kg	SW846 9056	05/08/98	8128220
		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 #...: PB018 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#:	CGVEK110-MS/CGVEK111-MSD			MS Lot-Sample #:	H8E010182-019
	109	(80 - 120)			SW846 9056	05/02-05/04/98	8128202
	107	(80 - 120)	1.8	(0-20)	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1					
Nitrate as N		WO#:	CGV1312T-MS/CGV1312U-MSD			MS Lot-Sample #:	H8E010146-004
	107	(80 - 120)			SW846 9056	05/02-05/04/98	8128205
	106	(80 - 120)	0.77	(0-20)	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1					
Sulfate		WO#:	CGVEK112-MS/CGVEK113-MSD			MS Lot-Sample #:	H8E010182-019
	117	(80 - 120)			SW846 9056	05/02-05/04/98	8128208
	115	(80 - 120)	0.25	(0-20)	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1					
Sulfate		WO#:	CGV1312W-MS/CGV1312X-MSD			MS Lot-Sample #:	H8E010146-004
	0.0 MSB	(80 - 120)			SW846 9056	05/02-05/04/98	8128210
	0.0 MSB	(80 - 120)	0.0	(0-20)	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1					

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.

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 #...: H8E010182 **Work Order #...:** CGT7E-SMP CGT7E-DUP **Matrix.....:** SOLID

Date Sampled...: 04/28/98 **Date Received..:** 04/30/98

% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8D300162-008	
	7.8	7.8	No Units	0.19	(0-20)	SW846 9045A	05/02/98	8124154

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E010182 **Work Order #...:** CGVE5-SMP CGVE5-DUP **Matrix.....:** SOLID

Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E010182-012	
	7.1	7.1	No Units	0.014	(0-20)	SW846 9045A	05/02/98	8124168

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E010182 **Work Order #...:** CGV13-SMP CGV13-DUP **Matrix.....:** SOLID

Date Sampled...: 04/30/98 **Date Received..:** 05/01/98

% Moisture.....: 12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E010146-004	
	6.8	6.7	No Units	0.81	(0-20)	SW846 9045A	05/02/98	8124145

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGW2L101-LCS/CGW2L102-LCSD LCS Lot-Sample#: B8E040000-145					
	100	(99 - 101)			SW846 9045A	05/02/98	8124145
	100	(99 - 101)	0.22	(0-20)	SW846 9045A	05/02/98	8124145
		Dilution Factor: 1					
pH (solid)		WO#:CGW33101-LCS/CGW33102-LCSD LCS Lot-Sample#: B8E040000-154					
	100	(99 - 101)			SW846 9045A	05/02/98	8124154
	100	(99 - 101)	0.19	(0-20)	SW846 9045A	05/02/98	8124154
		Dilution Factor: 1					
pH (solid)		WO#:CGW48101-LCS/CGW48102-LCSD LCS Lot-Sample#: B8E040000-168					
	101	(99 - 101)			SW846 9045A	05/02/98	8124168
	100	(99 - 101)	0.27	(0-20)	SW846 9045A	05/02/98	8124168
		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 #...: PB018 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH21E102		LCS Lot-Sample#: B8E080000-202	
	103	(89 - 110)	SW846 9056	05/02-05/04/98	8128202
		Dilution Factor: 1			
Nitrate as N		Work Order #: CH21W102		LCS Lot-Sample#: B8E080000-205	
	101	(89 - 110)	SW846 9056	05/02-05/04/98	8128205
		Dilution Factor: 1			
Sulfate		Work Order #: CH22A102		LCS Lot-Sample#: B8E080000-208	
	108	(80 - 120)	SW846 9056	05/02-05/04/98	8128208
		Dilution Factor: 1			
Sulfate		Work Order #: CH22H102		LCS Lot-Sample#: B8E080000-210	
	108	(80 - 120)	SW846 9056	05/02-05/04/98	8128210
		Dilution Factor: 1			
Sulfate		Work Order #: CH244102		LCS Lot-Sample#: B8E080000-220	
	95	(80 - 120)	SW846 9056	05/08/98	8128220
		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# PB018

*	DATE REC'D	LOT#	CLIENT ID	VOC 8260A	SVOC 8270B	PCB 8081	PH 9045	TOTAL 6010A	ANIONS 9056	EXP 8330
1	5/1/98	H8E010182	6080	X	X		T	X	T	
2			6090	X	X	X	T	X	T	
3			6100	X	X		T	X	T	
4			6110	X	X	X	T	X	T	
5			6120	X	X		T	X	T	
6			6130	X	X	X	T	X	T	
7			6140	X	X		T	X	T	
8			6150	X	X	X	T	X	T	
9			6160	X	X		T	X	T	
10			6170	X	X	X	T	X	T	
11			6180	X	X		T	X	T	
12			6190	X	X	X	T	X	T	
13			6200	X	X		T	X	T	
14			6210	X	X	X	T	X	T	
15			6220	X	X		T	X	T	
16			6250	X	X	X	T	X	T	
17			6260	X	X		T	X	T	
18			6270	X	X	X	T	X	T	
19			6280	X	X		T	X	T	
20			6290	X	X	X	T	X	T	
21			6300	X	X		T	X	T	

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

MATRIX: SOIL
ANALYTICAL DUE: 5-25-98
REPORT DUE: 5-28-98
CLOSED?__YES__

6/8/98 9:33 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8F010182

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?	✓	✓ BPB	
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: 5/1/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ?	✓		
soil SOG PB---			
& SUB Arizona → TAMPA			
2. If custody seals were missing/not intact, was client notified?			

PROJECT MANAGER : [signature] DATE: 5/1/98

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: I.T. Kny PROJECT: PBOW Lot No.: HB E010182

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: 5/8/98

Correct SDG sheet as marked BYD 5-4-98

QA016R7.doc, 01/29/98

OKJ 5-1-98
~~H80~~
H85:010182

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Project Number: 773206
Samples Shipment Date: 30-APR-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/801624850524

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: 4/30/98 Time: 1700
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 Yange Date: 5/1/98 Time: 8:45
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:
custody seals intact
received at 2°C DY 5/1/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6010	PBOW-98-SO-AA1-SB01-6010-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H8E-010182

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6011	PBOW-98-SO-AA1-SB01-6011-(0001)	30-APR-98	07:55	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6020	PBOW-98-SO-AA1-SB01-6020-(0910)	30-APR-98	08:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030-MS	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	8 oz CWMG	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6030-MSD	PBOW-98-SO-AA1-SB02-6030-(0001)	30-APR-98	09:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWMG	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6040	PBOW-98-SO-AA1-SB02-6040-(0910)	30-APR-98	09:30	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6050	PBOW-98-SO-AA1-SB03-6050-(0001)	29-APR-98	08:05	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6060	PBOW-98-SO-AA1-SB03-6060-(0910)	29-APR-98	08:40	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6070	PBOW-98-SO-AA1-SB04-6070-(0001)	29-APR-98	12:30	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6080 /	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6080 /	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6080 /	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6080 /	PBOW-98-SO-AA1-SB04-6080-(0910)	29-APR-98	13:00	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6090 /	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6090 /	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6090 /	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6090 /	PBOW-98-SO-AA1-SB05-6090-(0001)	30-APR-98	09:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6100 /	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6100 /	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6100 /	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6100 /	PBOW-98-SO-AA1-SB05-6100-(0910)	30-APR-98	10:25	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6110	PBOW-98-SO-AA1-SB06-6110-(0001)	29-APR-98	14:35	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6120	PBOW-98-SO-AA1-SB06-6120-(0910)	29-APR-98	14:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6130	PBOW-98-SO-AA1-SB07-6130-(0001)	29-APR-98	15:10	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6140	PBOW-98-SO-AA1-SB07-6140-(0910)	29-APR-98	15:35	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6150	PBOW-98-SO-AA1-SB08-6150-(0001)	29-APR-98	15:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6160	PBOW-98-SO-AA1-SB08-6160-(0910)	29-APR-98	16:20	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6170	PBOW-98-SO-AA1-SB09-6170-(0001)	30-APR-98	10:45	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6180	PBOW-98-SO-AA1-SB09-6180-(0910)	30-APR-98	11:10	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6190	PBOW-98-SO-AA1-SB10-6190-(0001)	30-APR-98	13:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6200	PBOW-98-SO-AA1-SB10-6200-(0910)	30-APR-98	14:15	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6210	PBOW-98-SO-AA1-SB11-6210-(0001)	30-APR-98	11:25	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6220	PBOW-98-SO-AA1-SB11-6220-(0910)	30-APR-98	11:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6250	PBOW-98-SO-AA1-SB13-6250-(0001)	29-APR-98	08:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-043098QESK

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
						846 9056			
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6260	PBOW-98-SO-AA1-SB13-6260-(0910)	29-APR-98	09:20	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6270	PBOW-98-SO-AA1-SB14-6270-(0001)	29-APR-98	09:35	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6280	PBOW-98-SO-AA1-SB14-6280-(0910)	29-APR-98	10:00	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6290	PBOW-98-SO-AA1-SB15-6290-(0001)	30-APR-98	13:20	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6300	PBOW-98-SO-AA1-SB15-6300-(0910)	30-APR-98	13:50	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-001 CGVCV-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-001 CGVCV-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-001 CGVCV-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-002 CGVD9-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-002 CGVD9-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-002 CGVD9-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-003 CGVDD-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-003 CGVDD-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-003 CGVDD-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-004 CGVDF-1-0W	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-004 CGVDF-1-0X	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-004 CGVDF-1-10	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-005 CGVDK-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-005 CGVDK-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-005 CGVDK-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-006 CGVDP-1-0W	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-006 CGVDP-1-0X	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-006 CGVDP-1-10	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-007 CGVDR-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-007 CGVDR-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-007 CGVDR-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-008 CGVDX-1-0W	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-008 CGVDX-1-0X	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-008 CGVDX-1-10	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-009 CGVE0-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-009 CGVE0-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-009 CGVE0-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-010 CGVE2-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-010 CGVE2-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-010 CGVE2-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-011 CGVE4-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-011 CGVE4-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-011 CGVE4-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-012 CGVE5-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-012 CGVE5-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-012 CGVE5-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-013 CGVE8-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-013 CGVE8-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-013 CGVE8-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-014 CGVE9-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-014 CGVE9-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-014 CGVE9-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-015 CGVEC-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-015 CGVEC-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-015 CGVEC-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-016 CGVEE-1-0W	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-016 CGVEE-1-0X	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-016 CGVEE-1-10	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-017 CGVEF-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-017 CGVEF-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
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NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-017 CGVEF-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-018 CGVEJ-1-0W	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-018 CGVEJ-1-0X	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-018 CGVEJ-1-10	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-019 CGVEK-1-0V	4/29/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-019 CGVEK-1-0W	4/29/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-019 CGVEK-1-0X	4/29/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E010182-020 CGVEN-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-020 CGVEN-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-020 CGVEN-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

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Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010786

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E010182-021 CGVEQ-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E010182-021 CGVEQ-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E010182-021 CGVEQ-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE EXPRESS DATE: 5/01/98

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: BPB 5/01/98 15:23:03
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

RELINQUISHED BY: Bryan Blomquist DATE/TIME: 5/1/98 17:45

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: Carol McNulty DATE/TIME: 5/2/98

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
423 584-4315 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 766952

PBOW-Acid Areas
SDG #: PB020

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 13, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB020 : H8E020127

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGVQM	001	6230	04/30/98	14:40
CGVQN	002	6240	04/30/98	15:15
CGVQP	003	6231	04/30/98	15:45
CGVQQ	004	9002	04/30/98	17:00

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

PB020 : H8E040125

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGWD5	001	6650	05/01/98	14:45
CGWD6	002	6660	05/01/98	15:10
CGWD9	003	6670	05/01/98	15:30
CGWDA	004	6680	05/01/98	15:50
CGWDC	005	6750	05/01/98	16:15
CGWDD	006	6760	05/01/98	16:40
CGWDE	007	6770	05/02/98	08:45
CGWDG	008	6780	05/02/98	09:10
CGWDH	009	6790	05/02/98	08:05
CGWDJ	010	6800	05/02/98	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.
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(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB020 : H8E040127

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGWDT	001	6930	05/02/98	10:40
CGWE8	002	6940	05/02/98	11:10
CGWEF	003	6950	05/02/98	11:20
CGWEG	004	6960	05/02/98	11:50

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

PB020

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E060000-191	L	05/02/98	DUPLICATE CHECK
B8E060000-205	L	05/04/98	DUPLICATE CHECK
H8E020127-001		05/02/98	6230
H8E020127-002		05/02/98	6240
H8E020127-003		05/02/98	6231
H8E020127-004		05/02/98	9002
H8E020129-001	D	05/02/98	LAB MS/MSD
H8E020129-001	S	05/02/98	LAB MS/MSD
H8E020129-001	X	05/02/98	INTRA-LAB QC
H8E040125-001		05/04/98	6650
H8E040125-002		05/04/98	6660
H8E040125-003		05/04/98	6670
H8E040125-004		05/04/98	6680
H8E040125-005		05/04/98	6750
H8E040125-006		05/04/98	6760
H8E040125-007		05/04/98	6770
H8E040125-008		05/04/98	6780
H8E040125-009		05/04/98	6790
H8E040125-010		05/04/98	6800
H8E040127-001		05/04/98	6930
H8E040127-001	D	05/04/98	6930
H8E040127-001	S	05/04/98	6930
H8E040127-002		05/04/98	6940
H8E040127-003		05/04/98	6950
H8E040127-004		05/04/98	6960
H8E070000-131	L	04/30/98	DUPLICATE CHECK
H8E070000-134	L	05/02/98	DUPLICATE CHECK

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB020

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for sample 6930 were outside control limits. Since the matrix spike/matrix spike duplicate for this sample demonstrated similar recoveries, the results are attributed to sample matrix effects.

Internal standard recoveries for sample 6780 were outside control limits. However, re-analysis of the sample resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

Semivolatiles

Surrogate results for phenol-d5 were above control limits in sample 6680. Since the system was biased towards the detection of this compound, and since there were no targets seen in the sample, the validity of the data is unaffected and the sample is submitted as is.

Surrogate results for 2,4,6-tribromophenol were above control limits in sample 6950. Since the system was biased towards the detection of this compound, and since there were no targets seen in the sample, the validity of the data is unaffected and the sample is submitted as is.

PCBs

Surrogate recoveries for sample 6230 were above control limits. Re-analysis of the sample indicated similar results. As per client request, the data were flagged as estimated and released without further investigation.

The matrix spike recoveries for sample 6930 were acceptable for all analytes except Aroclor 1016. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike results are, therefore, attributed to matrix effects.

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Quanterra Incorporated, Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6230

GC/MS Volatiles

Lot-Sample #...: H8E020127-001 **Work Order #...:** CGVQM102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.1	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6230

GC/MS Volatiles

Lot-Sample #...: H8E020127-001 **Work Order #...:** CGVQM102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

GC/MS Volatiles

Lot-Sample #...: H8E020127-002 **Work Order #...:** CGVQN102 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8128162
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	**270**	**24**	**ug/kg**
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

GC/MS Volatiles

Lot-Sample #...: H8E020127-002 **Work Order #...:** CGVQN102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

GC/MS Volatiles

Lot-Sample #...: H8E020127-003 **Work Order #...:** CGVQP101 **Matrix.....:** WATER
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**0.64 J,B**	**1.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	**0.80 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	**1.1**	**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	99	(67 - 128)
1,2-Dichloroethane-d4	94	(67 - 128)
Toluene-d8	89	(71 - 119)
4-Bromofluorobenzene	89	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

GC/MS Volatiles

Lot-Sample #...: H8E020127-003 Work Order #...: CGVQP101 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: 9002

GC/MS Volatiles

Lot-Sample #...: H8E020127-004 **Work Order #...:** CGVQQ101 **Matrix.....:** WATER
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**0.60 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	**1.1**	**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	**0.36 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	89	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9002

GC/MS Volatiles

Lot-Sample #...: H8E020127-004 **Work Order #...:** CGVQQ101 **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: 6650

GC/MS Volatiles

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	5.8	ug/kg
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethene (total)	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Benzene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	91	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

GC/MS Volatiles

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

GC/MS Volatiles

Lot-Sample #...: H8E040125-002 **Work Order #...:** CGWD6102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.4 J**	**6.3**	**ug/kg**
Acetone	**33 B**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

GC/MS Volatiles

Lot-Sample #...: H8E040125-002 **Work Order #...:** CGWD6102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6670

GC/MS Volatiles

Lot-Sample #...: H8E040125-003 **Work Order #...:** CGWD9102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**1.9 J**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

GC/MS Volatiles

Lot-Sample #...: H8E040125-003 **Work Order #...:** CGWD9102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

GC/MS Volatiles

Lot-Sample #...: H8E040125-004 **Work Order #...:** CGWDA102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.3 J**	**6.2**	**ug/kg**
Acetone	**42 B**	**25**	**ug/kg**
Carbon disulfide	**2.3 J**	**6.2**	**ug/kg**
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

GC/MS Volatiles

Lot-Sample #...: H8E040125-004 Work Order #...: CGWDA102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6750

GC/MS Volatiles

Lot-Sample #...: H8E040125-005 **Work Order #...:** CGWDC102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.6 J**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

GC/MS Volatiles

Lot-Sample #...: H8E040125-005 Work Order #...: CGWDC102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

GC/MS Volatiles

Lot-Sample #...: H8E040125-006 **Work Order #...:** CGWDD102 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.6 J**	**6.1**	**ug/kg**
Acetone	**33 B**	**24**	**ug/kg**
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	**5.5 J**	**24**	**ug/kg**
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	**6.5**	**6.1**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	99	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

GC/MS Volatiles

Lot-Sample #...: H8E040125-006 **Work Order #...:** CGWDD102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6770

GC/MS Volatiles

Lot-Sample #...: H8E040125-007 **Work Order #...:** CGWDE102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.7 J**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

GC/MS Volatiles

Lot-Sample #...: H8E040125-007 **Work Order #...:** CGWDE102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

GC/MS Volatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.4 J**	**6.2**	**ug/kg**
Acetone	**35 B**	**25**	**ug/kg**
Carbon disulfide	**6.0 J**	**6.2**	**ug/kg**
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	83	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

GC/MS Volatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6780

GC/MS Volatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND B	6.2	ug/kg
Acetone	**60**	**25**	**ug/kg**
Carbon disulfide	**13**	**6.2**	**ug/kg**
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

GC/MS Volatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

GC/MS Volatiles

Lot-Sample #...: H8E040125-009 **Work Order #...:** CGWDH102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**4.2 J**	**5.7**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	95	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

GC/MS Volatiles

Lot-Sample #...: H8E040125-009 **Work Order #...:** CGWDH102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

GC/MS Volatiles

Lot-Sample #...: H8E040125-010 **Work Order #...:** CGWDJ102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.0 J**	**6.3**	**ug/kg**
Acetone	**16 J,B**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

GC/MS Volatiles

Lot-Sample #...: H8E040125-010 **Work Order #...:** CGWDJ102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6930

GC/MS Volatiles

Lot-Sample #...: H8E040127-001 **Work Order #...:** CGWDT102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.2 J**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	100	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

GC/MS Volatiles

Lot-Sample #...: H8E040127-001 **Work Order #...:** CGWDT102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

GC/MS Volatiles

Lot-Sample #...: H8E040127-002 **Work Order #...:** CGWE8102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**1.9 J**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

GC/MS Volatiles

Lot-Sample #...: H8E040127-002 **Work Order #...:** CGWE8102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

GC/MS Volatiles

Lot-Sample #...: H8E040127-003 **Work Order #...:** CGWEF102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.3 J**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

GC/MS Volatiles

Lot-Sample #...: H8E040127-003 **Work Order #...:** CGWEF102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

GC/MS Volatiles

Lot-Sample #...: H8E040127-004 **Work Order #...:** CGWEG102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8133212
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.0 J**	**6.3**	**ug/kg**
Acetone	**110 B**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	93	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

GC/MS Volatiles

Lot-Sample #...: H8E040127-004 **Work Order #...:** CGWEG102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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 #...: PB020 **Work Order #...:** CH0JP101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-131

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127131
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	**0.59 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	96	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB020 **Work Order #...:** CH0JP101 **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 #...: PB020 **Work Order #...:** CH0JP102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-131 CH0JP103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(70 - 137)**			**SW846 8260A**
	98	**(70 - 137)**	**2.2**	**(0-12)**	**SW846 8260A**
Benzene	**99**	**(76 - 123)**			**SW846 8260A**
	97	**(76 - 123)**	**2.5**	**(0-10)**	**SW846 8260A**
Trichloroethene	**107**	**(75 - 129)**			**SW846 8260A**
	104	**(75 - 129)**	**2.3**	**(0-14)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**			**SW846 8260A**
	99	**(77 - 115)**	**0.010**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**101**	**(78 - 116)**			**SW846 8260A**
	98	**(78 - 116)**	**2.6**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
	96	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
	93	(67 - 128)
Toluene-d8	94	(71 - 119)
	95	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)
	90	(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 #...: PB020 **Work Order #...:** CH12Q101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-243

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127243
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB020 **Work Order #...:** CH12Q101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB020 **Work Order #...:** CH12Q102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-243
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**99**	**(67 - 137)**	**SW846 8260A**
Benzene	**99**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**98**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**99**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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 #...: PB020 **Work Order #...:** CH1QF101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E080000-162

Prep Date.....: 05/08/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8128162
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

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 #...: PB020 **Work Order #...:** CH1QF102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E080000-162
Prep Date.....: 05/08/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8128162
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**113**	**(67 - 137)**	**SW846 8260A**
Benzene	**107**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**109**	**(68 - 126)**	**SW846 8260A**
Toluene	**103**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**107**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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 #...: PB020 **Work Order #...:** CH50H101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E130000-212

Prep Date.....: 05/13/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8133212
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260A
Bromomethane	ND	10	ug/kg	SW846 8260A
Vinyl chloride	ND	10	ug/kg	SW846 8260A
Chloroethane	ND	10	ug/kg	SW846 8260A
Methylene chloride	ND	5.0	ug/kg	SW846 8260A
Acetone	**7.0 J**	**20**	**ug/kg**	**SW846 8260A**
Carbon disulfide	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260A
Chloroform	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260A
2-Butanone	ND	20	ug/kg	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260A
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Trichloroethene	ND	5.0	ug/kg	SW846 8260A
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260A
Benzene	ND	5.0	ug/kg	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260A
Bromoform	ND	5.0	ug/kg	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260A
2-Hexanone	ND	20	ug/kg	SW846 8260A
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260A
Toluene	ND	5.0	ug/kg	SW846 8260A
Chlorobenzene	ND	5.0	ug/kg	SW846 8260A
Ethylbenzene	ND	5.0	ug/kg	SW846 8260A
Styrene	ND	5.0	ug/kg	SW846 8260A
Xylenes (total)	ND	5.0	ug/kg	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(64 - 135)
Toluene-d8	91	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB020 **Work Order #...:** CH50H101 **Matrix.....:** SOLID

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 #...: PB020 **Work Order #...:** CGWDT103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E040127-001 CGWDT104-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1 **% Moisture.....:** 15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**94**	**(64 - 146)**			**SW846 8260A**
	89	**(64 - 146)**	**5.9**	**(0-18)**	**SW846 8260A**
Trichloroethene	**90**	**(41 - 151)**			**SW846 8260A**
	86	**(41 - 151)**	**4.7**	**(0-28)**	**SW846 8260A**
Benzene	**92**	**(74 - 122)**			**SW846 8260A**
	88	**(74 - 122)**	**3.8**	**(0-15)**	**SW846 8260A**
Toluene	**99**	**(69 - 132)**			**SW846 8260A**
	96	**(69 - 132)**	**3.0**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**94**	**(67 - 121)**			**SW846 8260A**
	88	**(67 - 121)**	**6.5**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(64 - 135)
	94	(64 - 135)
Toluene-d8	101	(77 - 124)
	101	(77 - 124)
4-Bromofluorobenzene	107	(70 - 147)
	106	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB020 **Work Order #...:** CH50H102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E130000-212
Prep Date.....: 05/13/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8133212
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**91**	**(67 - 137)**	**SW846 8260A**
Benzene	**91**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**94**	**(68 - 126)**	**SW846 8260A**
Toluene	**92**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**92**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

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 #...: PB020 **Work Order #...:** CH60K101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E140000-235

Prep Date.....: 05/14/98
Analysis Date..: 05/14/98 **Prep Batch #...:** 8134235
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

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 #...: PB020 **Work Order #...:** CH60K102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E140000-235
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134235
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**90**	**(67 - 137)**	**SW846 8260A**
Benzene	**91**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**91**	**(68 - 126)**	**SW846 8260A**
Toluene	**91**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**90**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

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: 6230

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-001 **Work Order #...:** CGVQM103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6230

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-001 **Work Order #...:** CGVQM103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	64	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	85	(30 - 115)
2,4,6-Tribromophenol	116	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-002 **Work Order #...:** CGVQN103 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-002 **Work Order #...:** CGVQN103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	64	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	86	(30 - 115)
2,4,6-Tribromophenol	109	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-003 **Work Order #...:** CGVQP102 **Matrix.....:** WATER
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8126126
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: 6231

GC/MS Semivolatiles

Lot-Sample #...: H8E020127-003 **Work Order #...:** CGVQP102 **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	64	(27 - 106)
Phenol-d5	79	(27 - 111)
Nitrobenzene-d5	100	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	88	(27 - 127)
Terphenyl-d14	78	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	380	ug/kg
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	**44 J**	**380**	**ug/kg**
Pyrene	**39 J**	**380**	**ug/kg**
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	**26 J**	**380**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	63	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-002 **Work Order #...:** CGWD6103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-002 **Work Order #...:** CGWD6103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	61	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	95	(19 - 122)
Terphenyl-d14	89	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-003 **Work Order #...:** CGWD9103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-003 **Work Order #...:** CGWD9103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	61	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	82	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-004 **Work Order #...:** CGWDA103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-004 **Work Order #...:** CGWDA103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4 romophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	**26 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	114	(25 - 121)
Phenol-d5	128 *	(24 - 113)
Nitrobenzene-d5	97	(23 - 120)
2-Fluorobiphenyl	86	(30 - 115)
2,4,6-Tribromophenol	61	(19 - 122)
Terphenyl-d14	89	(20 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-005 **Work Order #...:** CGWDC103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	**730**	**390**	**ug/kg**
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	**51 J**	**390**	**ug/kg**
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	**61 J**	**390**	**ug/kg**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-005 **Work Order #...:** CGWDC103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	**140 J**	**390**	**ug/kg**
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**1100**	**390**	**ug/kg**
Anthracene	**630**	**390**	**ug/kg**
Carbazole	**120 J**	**390**	**ug/kg**
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**4600**	**390**	**ug/kg**
Pyrene	**3500**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**2100**	**390**	**ug/kg**
Chrysene	**2200**	**390**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	**2400**	**390**	**ug/kg**
Benzo(k)fluoranthene	**1400**	**390**	**ug/kg**
Benzo(a)pyrene	**2200**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**1200**	**390**	**ug/kg**
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	**1100**	**390**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(25 - 121)
Phenol-d5	82	(24 - 113)
Nitrobenzene-d5	95	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	39	(19 - 122)
Terphenyl-d14	73	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J *Estimated result. Result is less than RL.*

IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-006 **Work Order #...:** CGWDD103 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	**140 J**	**400**	**ug/kg**
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	**81 J**	**400**	**ug/kg**
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	**120 J**	**400**	**ug/kg**
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	**100 J**	**400**	**ug/kg**
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	**280 J**	**400**	**ug/kg**

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-006 **Work Order #...:** CGWDD103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	**410**	**400**	**ug/kg**
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**1300**	**400**	**ug/kg**
Anthracene	**280 J**	**400**	**ug/kg**
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**1000**	**400**	**ug/kg**
Pyrene	**730**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**360 J**	**400**	**ug/kg**
Chrysene	**360 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**340 J**	**400**	**ug/kg**
Benzo(k)fluoranthene	**320 J**	**400**	**ug/kg**
Benzo(a)pyrene	**340 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**170 J**	**400**	**ug/kg**
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	**170 J**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	58	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	92	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-007 **Work Order #...:** CGWDE103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-007 **Work Order #...:** CGWDE103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**52 J**	**390**	**ug/kg**
Pyrene	**42 J**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	**27 J**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	53	(25 - 121)
Phenol-d5	55	(24 - 113)
Nitrobenzene-d5	44	(23 - 120)
2-Fluorobiphenyl	54	(30 - 115)
2,4,6-Tribromophenol	72	(19 - 122)
Terphenyl-d14	62	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-008 **Work Order #...:** CGWDG103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	50	(23 - 120)
2-Fluorobiphenyl	65	(30 - 115)
2,4,6-Tribromophenol	66	(19 - 122)
Terphenyl-d14	70	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-009 **Work Order #...:** CGWDH103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	**750**	**380**	**ug/kg**
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	**52 J**	**380**	**ug/kg**
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-009 **Work Order #...:** CGWDH103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	**190 J**	**380**	**ug/kg**
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	**2400**	**380**	**ug/kg**
Anthracene	**790**	**380**	**ug/kg**
Carbazole	**200 J**	**380**	**ug/kg**
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	**5500**	**380**	**ug/kg**
Pyrene	**4600**	**380**	**ug/kg**
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	**3500**	**380**	**ug/kg**
Chrysene	**3400**	**380**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	**3400**	**380**	**ug/kg**
Benzo(k)fluoranthene	**3300**	**380**	**ug/kg**
Benzo(a)pyrene	**3300**	**380**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**1400**	**380**	**ug/kg**
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	**1300**	**380**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	53	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	100	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-010 **Work Order #...:** CGWDJ103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

GC/MS Semivolatiles

Lot-Sample #...: H8E040125-010 **Work Order #...:** CGWDJ103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	52	(23 - 120)
2-Fluorobiphenyl	73	(30 - 115)
2,4,6-Tribromophenol	90	(19 - 122)
Terphenyl-d14	80	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-001 **Work Order #...:** CGWDT105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-001 **Work Order #...:** CGWDT105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(25 - 121)
Phenol-d5	56	(24 - 113)
Nitrobenzene-d5	61	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	102	(19 - 122)
Terphenyl-d14	72	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-002 **Work Order #...:** CGWE8103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-002 **Work Order #...:** CGWE8103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	65	(24 - 113)
Nitrobenzene-d5	69	(23 - 120)
2-Fluorobiphenyl	92	(30 - 115)
2,4,6-Tribromophenol	117	(19 - 122)
Terphenyl-d14	81	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-003 **Work Order #...:** CGWEF103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-003 **Work Order #...:** CGWEF103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	95	(30 - 115)
2,4,6-Tribromophenol	128 *	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-004 **Work Order #...:** CGWEG103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

GC/MS Semivolatiles

Lot-Sample #...: H8E040127-004 **Work Order #...:** CGWEG103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**91 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(25 - 121)
Phenol-d5	62	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
2-Fluorobiphenyl	85	(30 - 115)
2,4,6-Tribromophenol	100	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB020 **Work Order #...:** CGWK9101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E050000-113

Prep Date.....: 05/05/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8125113
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB020 **Work Order #...:** CGWK9101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	76	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	75	(19 - 122)
Terphenyl-d14	81	(20 - 138)

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 #...: PB020 **Work Order #...:** CGWDT106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E040127-001 CGWDT107-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/05/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8125113
Dilution Factor: 1 **% Moisture.....:** 15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**60**	**(23 - 115)**			**SW846 8270B**
	57	**(23 - 115)**	**4.1**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**78**	**(20 - 118)**			**SW846 8270B**
	75	**(20 - 118)**	**3.1**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(16 - 116)**			**SW846 8270B**
	67	**(16 - 116)**	**4.4**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(12 - 126)**			**SW846 8270B**
	58	**(12 - 126)**	**1.0**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**81**	**(19 - 124)**			**SW846 8270B**
	86	**(19 - 124)**	**5.0**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**70**	**(28 - 119)**			**SW846 8270B**
	71	**(28 - 119)**	**1.1**	**(0-35)**	**SW846 8270B**
Acenaphthene	**78**	**(23 - 125)**			**SW846 8270B**
	80	**(23 - 125)**	**1.5**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**127**	**(15 - 130)**			**SW846 8270B**
	121	**(15 - 130)**	**4.5**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(26 - 122)**			**SW846 8270B**
	71	**(26 - 122)**	**4.1**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**70**	**(10 - 134)**			**SW846 8270B**
	86	**(10 - 134)**	**19**	**(0-53)**	**SW846 8270B**
Pyrene	**84**	**(28 - 128)**			**SW846 8270B**
	81	**(28 - 128)**	**2.9**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(25 - 121)
	62	(25 - 121)
Phenol-d5	63	(24 - 113)
	62	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
	67	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
	84	(30 - 115)
2,4,6-Tribromophenol	120	(19 - 122)
	107	(19 - 122)
Terphenyl-d14	77	(20 - 138)
	72	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB020 **Work Order #...:** CGWK9102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E050000-113
Prep Date.....: 05/05/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8125113
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**78**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**74**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**81**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**72**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**72**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**70**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**75**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**82**	**(17 - 117)**	**SW846 8270B**
Pyrene	**80**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	80	(24 - 113)
Nitrobenzene-d5	80	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	73	(19 - 122)
Terphenyl-d14	83	(20 - 138)

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 #...: PB020 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-121

Prep Date.....: 05/06/98
Analysis Date..: 05/15/98 **Prep Batch #...:** 8126121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB020 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	63	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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 #...: PB020 **Work Order #...:** CGXCX102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-121
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**68**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**75**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**71**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**83**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**66**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**77**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**45**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**86**	**(17 - 117)**	**SW846 8270B**
Pyrene	**78**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	64	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
Terphenyl-d14	83	(20 - 138)

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 #...: PB020 **Work Order #...:** CGXD6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E060000-126

Prep Date.....: 05/06/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8126126
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 #...: PB020 **Work Order #...:** CGXD6101 **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	84	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	89	(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 #...: PB020 **Work Order #...:** CGXD6102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E060000-126
Prep Date.....: 05/06/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8126126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**83**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**82**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**108**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**75**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**92**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**80**	**(20 - 123)**	**SW846 8270B**
Pyrene	**87**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	84	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	87	(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: 6230

GC Semivolatiles

Lot-Sample #...: H8E020127-001 **Work Order #...:** CGVQM104 **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND G	300	ug/kg
Aroclor 1260	**250**	**40**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	194 *	(40 - 134)
Decachlorobiphenyl	199 *	(38 - 174)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

GC Semivolatiles

Lot-Sample #...: H8E020127-003 **Work Order #...:** CGVQP10U **Matrix.....:** WATER
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
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	97	(30 - 133)
Decachlorobiphenyl	85	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

GC Semivolatiles

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(40 - 134)
Decachlorobiphenyl	98	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

GC Semivolatiles

Lot-Sample #...: H8E040125-003 **Work Order #...:** CGWD9104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	**84**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

GC Semivolatiles

Lot-Sample #...: H8E040125-005 **Work Order #...:** CGWDC104 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND G	140	ug/kg
Aroclor 1260	**160**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(40 - 134)
Decachlorobiphenyl	109	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

GC Semivolatiles

Lot-Sample #...:	H8E040125-007	**Work Order #...:**	CGWDE104	**Matrix.....:**	SOLID
Date Sampled...:	05/02/98	**Date Received..:**	05/04/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	05/21/98		
Prep Batch #...:	8127125				
Dilution Factor:	1				
% Moisture.....:	15	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(40 - 134)
Decachlorobiphenyl	102	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

GC Semivolatiles

Lot-Sample #...: H8E040125-009 **Work Order #...:** CGWDH104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

GC Semivolatiles

Lot-Sample #...: H8E040127-001 **Work Order #...:** CGWDT108 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	**63**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(40 - 134)
Decachlorobiphenyl	101	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

GC Semivolatiles

Lot-Sample #...: H8E040127-003 **Work Order #...:** CGWEF104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(40 - 134)
Decachlorobiphenyl	89	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H8E020127 **Work Order #...:** CGW14101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E040000-112

Prep Date.....: 05/04/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8124112
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	240	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(40 - 134)
Decachlorobiphenyl	100	(38 - 174)

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 Semivolatiles

Client Lot #...: H8E020127 **Work Order #...:** CGW14102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E040000-112
Prep Date.....: 05/04/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8124112
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**89**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(40 - 134)
Decachlorobiphenyl	107	(38 - 174)

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 #...: H8E040127 **Work Order #...:** CH0JG101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-125

Prep Date.....: 05/07/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8127125
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)

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 Semivolatiles

Client Lot #...: H8E040127 **Work Order #...:** CH0JG102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-125
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**115**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**112**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(40 - 134)
Decachlorobiphenyl	131	(38 - 174)

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 #...: H8E020127 **Work Order #...:** CH0K1101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-134

Prep Date.....: 05/07/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8127134
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	92	(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 #...: H8E040127 **Work Order #...:** CGWDT109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E040127-001 CGWDT10A-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1 **% Moisture.....:** 15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**147 a**	**(52 - 144)**			**SW846 8081**
	129	**(52 - 144)**	**13**	**(0-25)**	**SW846 8081**
Aroclor 1260	**131**	**(45 - 143)**			**SW846 8081**
	120	**(45 - 143)**	**7.8**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	144 *	(40 - 134)
	126	(40 - 134)
Decachlorobiphenyl	166	(38 - 174)
	145	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8E020127 **Work Order #...:** CH0K1102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-134 CH0K1103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(70 - 158)**			**SW846 8081**
	109	**(70 - 158)**	**0.36**	**(0-25)**	**SW846 8081**
Aroclor 1260	**97**	**(70 - 158)**			**SW846 8081**
	98	**(70 - 158)**	**0.89**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
	103	(30 - 133)
Decachlorobiphenyl	103	(30 - 139)
	104	(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: 6230

TOTAL Metals

Lot-Sample #...: H8E020127-001 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	6170	24.4	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM105
		Dilution Factor: 1		Analysis Time..: 14:04		
Arsenic	3.1	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGVQM10Q
		Dilution Factor: 1		Analysis Time..: 17:53		
Lead	6.6	0.37	mg/kg	SW846 6010A	05/19-06/06/98	CGVQM10R
		Dilution Factor: 1		Analysis Time..: 17:53		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM106
		Dilution Factor: 1		Analysis Time..: 14:04		
Barium	27.3	24.4	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM107
		Dilution Factor: 1		Analysis Time..: 14:04		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/19-06/06/98	CGVQM10T
		Dilution Factor: 1		Analysis Time..: 17:53		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM108
		Dilution Factor: 1		Analysis Time..: 14:04		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGVQM10U
		Dilution Factor: 1		Analysis Time..: 17:53		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM109
		Dilution Factor: 1		Analysis Time..: 14:04		
Calcium	3470	609	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10A
		Dilution Factor: 1		Analysis Time..: 14:04		
Chromium	12.4	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10C
		Dilution Factor: 1		Analysis Time..: 14:04		
Cobalt	7.7	6.1	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10D
		Dilution Factor: 1		Analysis Time..: 14:04		
Copper	5.6	3.0	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10E
		Dilution Factor: 1		Analysis Time..: 14:04		
Iron	13200	12.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10F
		Dilution Factor: 1		Analysis Time..: 14:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6230

TOTAL Metals

Lot-Sample #...: H8E020127-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**1430**	**609**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGVQM10G**
		Dilution Factor: 1		Analysis Time..: 14:04		
Manganese	**139**	**1.8**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGVQM10H**
		Dilution Factor: 1		Analysis Time..: 14:04		
Nickel	**8.8**	**4.9**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGVQM10J**
		Dilution Factor: 1		Analysis Time..: 14:04		
Potassium	ND	609	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10K
		Dilution Factor: 1		Analysis Time..: 14:04		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10L
		Dilution Factor: 1		Analysis Time..: 14:04		
Sodium	ND	609	mg/kg	SW846 6010A	05/19-06/05/98	CGVQM10M
		Dilution Factor: 1		Analysis Time..: 14:04		
Vanadium	**25.8**	**6.1**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGVQM10N**
		Dilution Factor: 1		Analysis Time..: 14:04		
Zinc	**38.6**	**2.4**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGVQM10P**
		Dilution Factor: 1		Analysis Time..: 14:04		

Prep Batch #...: 8140174

Mercury	ND	0.040	mg/kg	SW846 7471A	05/21/98	CGVQM10V
		Dilution Factor: 1		Analysis Time..: 14:57		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

TOTAL Metals

Lot-Sample #...: H8E020127-002 Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	4700	24.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN104
		Dilution Factor: 1		Analysis Time..: 14:09		
Arsenic	3.0	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGVQN10P
		Dilution Factor: 1		Analysis Time..: 17:59		
Lead	4.2	0.36	mg/kg	SW846 6010A	05/19-06/06/98	CGVQN10Q
		Dilution Factor: 1		Analysis Time..: 17:59		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN105
		Dilution Factor: 1		Analysis Time..: 14:09		
Barium	ND	24.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN106
		Dilution Factor: 1		Analysis Time..: 14:09		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/19-06/06/98	CGVQN10R
		Dilution Factor: 1		Analysis Time..: 17:59		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN107
		Dilution Factor: 1		Analysis Time..: 14:09		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGVQN10T
		Dilution Factor: 1		Analysis Time..: 17:59		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN108
		Dilution Factor: 1		Analysis Time..: 14:09		
Calcium	11700	605	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN109
		Dilution Factor: 1		Analysis Time..: 14:09		
Chromium	12.0	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10A
		Dilution Factor: 1		Analysis Time..: 14:09		
Cobalt	8.3	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10C
		Dilution Factor: 1		Analysis Time..: 14:09		
Copper	5.9	3.0	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10D
		Dilution Factor: 1		Analysis Time..: 14:09		
Iron	13600	12.1	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10E
		Dilution Factor: 1		Analysis Time..: 14:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

TOTAL Metals

Lot-Sample #...: H8E020127-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3500	605	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10F
		Dilution Factor: 1		Analysis Time..: 14:09		
Manganese	245	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10G
		Dilution Factor: 1		Analysis Time..: 14:09		
Nickel	9.6	4.8	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10H
		Dilution Factor: 1		Analysis Time..: 14:09		
Potassium	643	605	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10J
		Dilution Factor: 1		Analysis Time..: 14:09		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10K
		Dilution Factor: 1		Analysis Time..: 14:09		
Sodium	ND	605	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10L
		Dilution Factor: 1		Analysis Time..: 14:09		
Vanadium	27.3	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10M
		Dilution Factor: 1		Analysis Time..: 14:09		
Zinc	40.7	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGVQN10N
		Dilution Factor: 1		Analysis Time..: 14:09		
Prep Batch #...: 8140174						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21/98	CGVQN10U
		Dilution Factor: 1		Analysis Time..: 15:00		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

TOTAL Metals

Lot-Sample #...: H8E020127-003 **Matrix.....:** WATER
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGVQP103
		Dilution Factor: 1		Analysis Time..: 18:25		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGVQP10N
		Dilution Factor: 1		Analysis Time..: 19:29		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGVQP10P
		Dilution Factor: 1		Analysis Time..: 19:29		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP104
		Dilution Factor: 1		Analysis Time..: 18:25		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGVQP105
		Dilution Factor: 1		Analysis Time..: 18:25		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGVQP10Q
		Dilution Factor: 1		Analysis Time..: 19:29		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP106
		Dilution Factor: 1		Analysis Time..: 18:25		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGVQP10R
		Dilution Factor: 1		Analysis Time..: 19:29		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP107
		Dilution Factor: 1		Analysis Time..: 18:25		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVQP108
		Dilution Factor: 1		Analysis Time..: 18:25		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP109
		Dilution Factor: 1		Analysis Time..: 18:25		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10A
		Dilution Factor: 1		Analysis Time..: 18:25		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10C
		Dilution Factor: 1		Analysis Time..: 18:25		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10D
		Dilution Factor: 1		Analysis Time..: 18:25		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6231

TOTAL Metals

Lot-Sample #...: H8E020127-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10E
		Dilution Factor: 1		Analysis Time..: 18:25		
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10F
		Dilution Factor: 1		Analysis Time..: 18:25		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10G
		Dilution Factor: 1		Analysis Time..: 18:25		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10H
		Dilution Factor: 1		Analysis Time..: 18:25		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10J
		Dilution Factor: 1		Analysis Time..: 18:25		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10K
		Dilution Factor: 1		Analysis Time..: 18:25		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10L
		Dilution Factor: 1		Analysis Time..: 18:25		
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CGVQP10M
		Dilution Factor: 1		Analysis Time..: 18:25		

Prep Batch #...: 8138109

Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGVQP10T
		Dilution Factor: 1		Analysis Time..: 09:45		

IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

TOTAL Metals

Lot-Sample #...: H8E040125-001 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	7740	23.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD5105
		Dilution Factor: 1		Analysis Time..: 14:14		
Arsenic	9.4	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWD510Q
		Dilution Factor: 1		Analysis Time..: 18:04		
Lead	7.4	0.35	mg/kg	SW846 6010A	05/19-06/06/98	CGWD510R
		Dilution Factor: 1		Analysis Time..: 18:04		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWD5106
		Dilution Factor: 1		Analysis Time..: 14:14		
Barium	53.3	23.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD5107
		Dilution Factor: 1		Analysis Time..: 14:14		
Selenium	ND	0.58	mg/kg	SW846 6010A	05/19-06/06/98	CGWD510T
		Dilution Factor: 1		Analysis Time..: 18:04		
Beryllium	ND	0.58	mg/kg	SW846 6010A	05/19-06/05/98	CGWD5108
		Dilution Factor: 1		Analysis Time..: 14:14		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWD510U
		Dilution Factor: 1		Analysis Time..: 18:04		
Cadmium	ND	0.58	mg/kg	SW846 6010A	05/19-06/05/98	CGWD5109
		Dilution Factor: 1		Analysis Time..: 14:14		
Calcium	9680	581	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510A
		Dilution Factor: 1		Analysis Time..: 14:14		
Chromium	12.1	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510C
		Dilution Factor: 1		Analysis Time..: 14:14		
Cobalt	11.6	5.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510D
		Dilution Factor: 1		Analysis Time..: 14:14		
Copper	13.1	2.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510E
		Dilution Factor: 1		Analysis Time..: 14:14		
Iron	17400	11.6	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510F
		Dilution Factor: 1		Analysis Time..: 14:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

TOTAL Metals

Lot-Sample #...: H8E040125-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	3660	581	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510G
		Dilution Factor: 1		Analysis Time..: 14:14		
Manganese	442	1.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510H
		Dilution Factor: 1		Analysis Time..: 14:14		
Nickel	15.3	4.6	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510J
		Dilution Factor: 1		Analysis Time..: 14:14		
Potassium	ND	581	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510K
		Dilution Factor: 1		Analysis Time..: 14:14		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510L
		Dilution Factor: 1		Analysis Time..: 14:14		
Sodium	ND	581	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510M
		Dilution Factor: 1		Analysis Time..: 14:14		
Vanadium	22.6	5.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510N
		Dilution Factor: 1		Analysis Time..: 14:14		
Zinc	35.0	2.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD510P
		Dilution Factor: 1		Analysis Time..: 14:14		

Prep Batch #...: 8140174

Mercury	ND	0.038	mg/kg	SW846 7471A	05/21/98	CGWD510V
		Dilution Factor: 1		Analysis Time..: 15:02		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

TOTAL Metals

Lot-Sample #...: H8E040125-002 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	7330	25.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6104
		Dilution Factor: 1		Analysis Time..: 14:19		
Arsenic	32.2	1.3	mg/kg	SW846 6010A	05/19-06/06/98	CGWD610P
		Dilution Factor: 1		Analysis Time..: 18:10		
Lead	8.8	0.38	mg/kg	SW846 6010A	05/19-06/06/98	CGWD610Q
		Dilution Factor: 1		Analysis Time..: 18:10		
Antimony	8.0	7.6	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6105
		Dilution Factor: 1		Analysis Time..: 14:19		
Barium	126	25.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6106
		Dilution Factor: 1		Analysis Time..: 14:19		
Selenium	0.64	0.63	mg/kg	SW846 6010A	05/19-06/06/98	CGWD610R
		Dilution Factor: 1		Analysis Time..: 18:10		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6107
		Dilution Factor: 1		Analysis Time..: 14:19		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/19-06/06/98	CGWD610T
		Dilution Factor: 1		Analysis Time..: 18:10		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6108
		Dilution Factor: 1		Analysis Time..: 14:19		
Calcium	56200	633	mg/kg	SW846 6010A	05/19-06/05/98	CGWD6109
		Dilution Factor: 1		Analysis Time..: 14:19		
Chromium	10.5	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610A
		Dilution Factor: 1		Analysis Time..: 14:19		
Cobalt	20.0	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610C
		Dilution Factor: 1		Analysis Time..: 14:19		
Copper	22.9	3.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610D
		Dilution Factor: 1		Analysis Time..: 14:19		
Iron	34300	12.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610E
		Dilution Factor: 1		Analysis Time..: 14:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

TOTAL Metals

Lot-Sample #...: H8E040125-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	16400	633	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610F
		Dilution Factor: 1		Analysis Time..: 14:19		
Manganese	1180	1.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610G
		Dilution Factor: 1		Analysis Time..: 14:19		
Nickel	45.0	5.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610H
		Dilution Factor: 1		Analysis Time..: 14:19		
Potassium	1580	633	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610J
		Dilution Factor: 1		Analysis Time..: 14:19		
Silver	ND	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610K
		Dilution Factor: 1		Analysis Time..: 14:19		
Sodium	ND	633	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610L
		Dilution Factor: 1		Analysis Time..: 14:19		
Vanadium	24.2	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610M
		Dilution Factor: 1		Analysis Time..: 14:19		
Zinc	71.1	2.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWD610N
		Dilution Factor: 1		Analysis Time..: 14:19		
Prep Batch #...: 8140174						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/21/98	CGWD610U
		Dilution Factor: 1		Analysis Time..: 15:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

TOTAL Metals

Lot-Sample #...: H8E040125-003 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	11800	23.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWD9105
		Dilution Factor: 1		Analysis Time..: 14:24		
Arsenic	9.6	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWD910Q
		Dilution Factor: 1		Analysis Time..: 18:21		
Lead	10.6	0.36	mg/kg	SW846 6010A	05/19-06/06/98	CGWD910R
		Dilution Factor: 1		Analysis Time..: 18:21		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD9106
		Dilution Factor: 1		Analysis Time..: 14:24		
Barium	115	23.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWD9107
		Dilution Factor: 1		Analysis Time..: 14:24		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/19-06/06/98	CGWD910T
		Dilution Factor: 1		Analysis Time..: 18:21		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGWD9108
		Dilution Factor: 1		Analysis Time..: 14:24		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWD910U
		Dilution Factor: 1		Analysis Time..: 18:21		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGWD9109
		Dilution Factor: 1		Analysis Time..: 14:24		
Calcium	11900	598	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910A
		Dilution Factor: 1		Analysis Time..: 14:24		
Chromium	17.1	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910C
		Dilution Factor: 1		Analysis Time..: 14:24		
Cobalt	22.3	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910D
		Dilution Factor: 1		Analysis Time..: 14:24		
Copper	22.2	3.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910E
		Dilution Factor: 1		Analysis Time..: 14:24		
Iron	26600	12.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910F
		Dilution Factor: 1		Analysis Time..: 14:24		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

TOTAL Metals

Lot-Sample #...: H8E040125-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**5440**	**598**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910G**
		Dilution Factor: 1		Analysis Time..: 14:24		
Manganese	**922**	**1.8**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910H**
		Dilution Factor: 1		Analysis Time..: 14:24		
Nickel	**36.5**	**4.8**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910J**
		Dilution Factor: 1		Analysis Time..: 14:24		
Potassium	**901**	**598**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910K**
		Dilution Factor: 1		Analysis Time..: 14:24		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910L
		Dilution Factor: 1		Analysis Time..: 14:24		
Sodium	ND	598	mg/kg	SW846 6010A	05/19-06/05/98	CGWD910M
		Dilution Factor: 1		Analysis Time..: 14:24		
Vanadium	**30.0**	**6.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910N**
		Dilution Factor: 1		Analysis Time..: 14:24		
Zinc	**60.1**	**2.4**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWD910P**
		Dilution Factor: 1		Analysis Time..: 14:24		
Prep Batch #...: 8140174						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/21/98	CGWD910V
		Dilution Factor: 1		Analysis Time..: 15:07		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

TOTAL Metals

Lot-Sample #...: H8E040125-004 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	10300	24.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA104
		Dilution Factor: 1		Analysis Time..: 14:29		
Arsenic	6.0	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDA10P
		Dilution Factor: 1		Analysis Time..: 18:15		
Lead	10.0	0.37	mg/kg	SW846 6010A	05/19-06/06/98	CGWDA10Q
		Dilution Factor: 1		Analysis Time..: 18:15		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA105
		Dilution Factor: 1		Analysis Time..: 14:29		
Barium	70.6	24.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA106
		Dilution Factor: 1		Analysis Time..: 14:29		
Selenium	0.65	0.62	mg/kg	SW846 6010A	05/19-06/06/98	CGWDA10R
		Dilution Factor: 1		Analysis Time..: 18:15		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA107
		Dilution Factor: 1		Analysis Time..: 14:29		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDA10T
		Dilution Factor: 1		Analysis Time..: 18:15		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA108
		Dilution Factor: 1		Analysis Time..: 14:29		
Calcium	63500	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA109
		Dilution Factor: 1		Analysis Time..: 14:29		
Chromium	17.2	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10A
		Dilution Factor: 1		Analysis Time..: 14:29		
Cobalt	16.5	6.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10C
		Dilution Factor: 1		Analysis Time..: 14:29		
Copper	23.3	3.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10D
		Dilution Factor: 1		Analysis Time..: 14:29		
Iron	23600	12.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10E
		Dilution Factor: 1		Analysis Time..: 14:29		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

TOTAL Metals

Lot-Sample #...: H8E040125-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**18200**	**620**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10F**
		Dilution Factor: 1		Analysis Time..: 14:29		
Manganese	**553**	**1.9**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10G**
		Dilution Factor: 1		Analysis Time..: 14:29		
Nickel	**31.7**	**5.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10H**
		Dilution Factor: 1		Analysis Time..: 14:29		
Potassium	**2440**	**620**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10J**
		Dilution Factor: 1		Analysis Time..: 14:29		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10K
		Dilution Factor: 1		Analysis Time..: 14:29		
Sodium	ND	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDA10L
		Dilution Factor: 1		Analysis Time..: 14:29		
Vanadium	**27.7**	**6.2**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10M**
		Dilution Factor: 1		Analysis Time..: 14:29		
Zinc	**67.9**	**2.5**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDA10N**
		Dilution Factor: 1		Analysis Time..: 14:29		
Prep Batch #...: 8140174						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/21/98	CGWDA10U
		Dilution Factor: 1		Analysis Time..: 15:09		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

TOTAL Metals

Lot-Sample #...: H8E040125-006 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	7070	24.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD104
		Dilution Factor: 1		Analysis Time..: 14:49		
Arsenic	5.6	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDD10P
		Dilution Factor: 1		Analysis Time..: 18:43		
Lead	8.9	0.37	mg/kg	SW846 6010A	05/19-06/06/98	CGWDD10Q
		Dilution Factor: 1		Analysis Time..: 18:43		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD105
		Dilution Factor: 1		Analysis Time..: 14:49		
Barium	46.9	24.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD106
		Dilution Factor: 1		Analysis Time..: 14:49		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/19-06/06/98	CGWDD10R
		Dilution Factor: 1		Analysis Time..: 18:43		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD107
		Dilution Factor: 1		Analysis Time..: 14:49		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDD10T
		Dilution Factor: 1		Analysis Time..: 18:43		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD108
		Dilution Factor: 1		Analysis Time..: 14:49		
Calcium	27500	612	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD109
		Dilution Factor: 1		Analysis Time..: 14:49		
Chromium	10.9	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10A
		Dilution Factor: 1		Analysis Time..: 14:49		
Cobalt	11.1	6.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10C
		Dilution Factor: 1		Analysis Time..: 14:49		
Copper	14.5	3.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10D
		Dilution Factor: 1		Analysis Time..: 14:49		
Iron	14900	12.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10E
		Dilution Factor: 1		Analysis Time..: 14:49		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

TOTAL Metals

Lot-Sample #...: H8E040125-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	7700	612	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10F
		Dilution Factor: 1		Analysis Time..: 14:49		
Manganese	277	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10G
		Dilution Factor: 1		Analysis Time..: 14:49		
Nickel	19.0	4.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10H
		Dilution Factor: 1		Analysis Time..: 14:49		
Potassium	812	612	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10J
		Dilution Factor: 1		Analysis Time..: 14:49		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10K
		Dilution Factor: 1		Analysis Time..: 14:49		
Sodium	ND	612	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10L
		Dilution Factor: 1		Analysis Time..: 14:49		
Vanadium	19.8	6.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10M
		Dilution Factor: 1		Analysis Time..: 14:49		
Zinc	48.2	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDD10N
		Dilution Factor: 1		Analysis Time..: 14:49		

Prep Batch #...: 8140174

Mercury	ND	0.040	mg/kg	SW846 7471A	05/21/98	CGWDD10U
		Dilution Factor: 1		Analysis Time..: 15:19		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

TOTAL Metals

Lot-Sample #...: H8E040125-007 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	6510	23.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE105
		Dilution Factor: 1		Analysis Time..: 14:54		
Arsenic	4.7	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDE10Q
		Dilution Factor: 1		Analysis Time..: 18:49		
Lead	6.0	0.35	mg/kg	SW846 6010A	05/19-06/06/98	CGWDE10R
		Dilution Factor: 1		Analysis Time..: 18:49		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE106
		Dilution Factor: 1		Analysis Time..: 14:54		
Barium	29.0	23.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE107
		Dilution Factor: 1		Analysis Time..: 14:54		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/19-06/06/98	CGWDE10T
		Dilution Factor: 1		Analysis Time..: 18:49		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE108
		Dilution Factor: 1		Analysis Time..: 14:54		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDE10U
		Dilution Factor: 1		Analysis Time..: 18:49		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE109
		Dilution Factor: 1		Analysis Time..: 14:54		
Calcium	1630	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10A
		Dilution Factor: 1		Analysis Time..: 14:54		
Chromium	9.9	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10C
		Dilution Factor: 1		Analysis Time..: 14:54		
Cobalt	11.7	5.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10D
		Dilution Factor: 1		Analysis Time..: 14:54		
Copper	7.8	2.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10E
		Dilution Factor: 1		Analysis Time..: 14:54		
Iron	12800	11.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10F
		Dilution Factor: 1		Analysis Time..: 14:54		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

TOTAL Metals

Lot-Sample #...: H8E040125-007 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	1330	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10G
		Dilution Factor: 1		Analysis Time..: 14:54		
Manganese	290	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10H
		Dilution Factor: 1		Analysis Time..: 14:54		
Nickel	10.3	4.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10J
		Dilution Factor: 1		Analysis Time..: 14:54		
Potassium	ND	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10K
		Dilution Factor: 1		Analysis Time..: 14:54		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10L
		Dilution Factor: 1		Analysis Time..: 14:54		
Sodium	ND	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10M
		Dilution Factor: 1		Analysis Time..: 14:54		
Vanadium	18.7	5.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10N
		Dilution Factor: 1		Analysis Time..: 14:54		
Zinc	27.9	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDE10P
		Dilution Factor: 1		Analysis Time..: 14:54		
Prep Batch #...: 8140174						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/21/98	CGWDE10V
		Dilution Factor: 1		Analysis Time..: 15:21		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

TOTAL Metals

Lot-Sample #...: H8E040125-008 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	10200	24.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG104
		Dilution Factor: 1		Analysis Time..: 14:59		
Arsenic	29.2	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDG10P
		Dilution Factor: 1		Analysis Time..: 18:54		
Lead	9.0	0.37	mg/kg	SW846 6010A	05/19-06/06/98	CGWDG10Q
		Dilution Factor: 1		Analysis Time..: 18:54		
Antimony	7.4	7.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG105
		Dilution Factor: 1		Analysis Time..: 14:59		
Barium	65.0	24.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG106
		Dilution Factor: 1		Analysis Time..: 14:59		
Selenium	0.71	0.62	mg/kg	SW846 6010A	05/19-06/06/98	CGWDG10R
		Dilution Factor: 1		Analysis Time..: 18:54		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG107
		Dilution Factor: 1		Analysis Time..: 14:59		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDG10T
		Dilution Factor: 1		Analysis Time..: 18:54		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG108
		Dilution Factor: 1		Analysis Time..: 14:59		
Calcium	61300	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG109
		Dilution Factor: 1		Analysis Time..: 14:59		
Chromium	16.4	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10A
		Dilution Factor: 1		Analysis Time..: 14:59		
Cobalt	16.3	6.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10C
		Dilution Factor: 1		Analysis Time..: 14:59		
Copper	21.1	3.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10D
		Dilution Factor: 1		Analysis Time..: 14:59		
Iron	23700	12.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10E
		Dilution Factor: 1		Analysis Time..: 14:59		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

TOTAL Metals

Lot-Sample #...: H8E040125-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	18800	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10F
		Dilution Factor: 1		Analysis Time..: 14:59		
Manganese	525	1.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10G
		Dilution Factor: 1		Analysis Time..: 14:59		
Nickel	28.5	5.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10H
		Dilution Factor: 1		Analysis Time..: 14:59		
Potassium	2530	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10J
		Dilution Factor: 1		Analysis Time..: 14:59		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10K
		Dilution Factor: 1		Analysis Time..: 14:59		
Sodium	ND	620	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10L
		Dilution Factor: 1		Analysis Time..: 14:59		
Vanadium	28.1	6.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10M
		Dilution Factor: 1		Analysis Time..: 14:59		
Zinc	62.7	2.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDG10N
		Dilution Factor: 1		Analysis Time..: 14:59		
Prep Batch #...: 8140174						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/21/98	CGWDG10U
		Dilution Factor: 1		Analysis Time..: 15:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

TOTAL Metals

Lot-Sample #...: H8E040125-009 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	**5010**	**23.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH105**
		Dilution Factor: 1		Analysis Time..: 15:04		
Arsenic	**3.1**	**1.1**	**mg/kg**	**SW846 6010A**	**05/19-06/06/98**	**CGWDH10Q**
		Dilution Factor: 1		Analysis Time..: 19:00		
Lead	**5.8**	**0.34**	**mg/kg**	**SW846 6010A**	**05/19-06/06/98**	**CGWDH10R**
		Dilution Factor: 1		Analysis Time..: 19:00		
Antimony	ND	6.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH106
		Dilution Factor: 1		Analysis Time..: 15:04		
Barium	**25.0**	**23.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH107**
		Dilution Factor: 1		Analysis Time..: 15:04		
Selenium	ND	0.57	mg/kg	SW846 6010A	05/19-06/06/98	CGWDH10T
		Dilution Factor: 1		Analysis Time..: 19:00		
Beryllium	ND	0.57	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH108
		Dilution Factor: 1		Analysis Time..: 15:04		
Thallium	ND	1.1	mg/kg	SW846 6010A	05/19-06/06/98	CGWDH10U
		Dilution Factor: 1		Analysis Time..: 19:00		
Cadmium	ND	0.57	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH109
		Dilution Factor: 1		Analysis Time..: 15:04		
Calcium	**18600**	**574**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10A**
		Dilution Factor: 1		Analysis Time..: 15:04		
Chromium	**6.4**	**1.1**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10C**
		Dilution Factor: 1		Analysis Time..: 15:04		
Cobalt	ND	5.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH10D
		Dilution Factor: 1		Analysis Time..: 15:04		
Copper	**6.4**	**2.9**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10E**
		Dilution Factor: 1		Analysis Time..: 15:04		
Iron	**8230**	**11.5**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10F**
		Dilution Factor: 1		Analysis Time..: 15:04		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

TOTAL Metals

Lot-Sample #...: H8E040125-009 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**2240**	**574**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10G**
		Dilution Factor: 1		Analysis Time..: 15:04		
Manganese	**159**	**1.7**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10H**
		Dilution Factor: 1		Analysis Time..: 15:04		
Nickel	**7.1**	**4.6**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10J**
		Dilution Factor: 1		Analysis Time..: 15:04		
Potassium	ND	574	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH10K
		Dilution Factor: 1		Analysis Time..: 15:04		
Silver	ND	1.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH10L
		Dilution Factor: 1		Analysis Time..: 15:04		
Sodium	ND	574	mg/kg	SW846 6010A	05/19-06/05/98	CGWDH10M
		Dilution Factor: 1		Analysis Time..: 15:04		
Vanadium	**13.3**	**5.7**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10N**
		Dilution Factor: 1		Analysis Time..: 15:04		
Zinc	**24.2**	**2.3**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDH10P**
		Dilution Factor: 1		Analysis Time..: 15:04		

Prep Batch #...: 8140174

Mercury	ND	0.038	mg/kg	SW846 7471A	05/21/98	CGWDH10V
		Dilution Factor: 1		Analysis Time..: 15:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

TOTAL Metals

Lot-Sample #...: H8E040125-010 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	7500	25.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ104
		Dilution Factor: 1		Analysis Time..: 15:09		
Arsenic	6.6	1.3	mg/kg	SW846 6010A	05/19-06/06/98	CGWDJ10P
		Dilution Factor: 1		Analysis Time..: 19:05		
Lead	10.4	0.38	mg/kg	SW846 6010A	05/19-06/06/98	CGWDJ10Q
		Dilution Factor: 1		Analysis Time..: 19:05		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ105
		Dilution Factor: 1		Analysis Time..: 15:09		
Barium	83.1	25.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ106
		Dilution Factor: 1		Analysis Time..: 15:09		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/19-06/06/98	CGWDJ10R
		Dilution Factor: 1		Analysis Time..: 19:05		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ107
		Dilution Factor: 1		Analysis Time..: 15:09		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/19-06/06/98	CGWDJ10T
		Dilution Factor: 1		Analysis Time..: 19:05		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ108
		Dilution Factor: 1		Analysis Time..: 15:09		
Calcium	64200	632	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ109
		Dilution Factor: 1		Analysis Time..: 15:09		
Chromium	13.1	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10A
		Dilution Factor: 1		Analysis Time..: 15:09		
Cobalt	20.2	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10C
		Dilution Factor: 1		Analysis Time..: 15:09		
Copper	24.3	3.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10D
		Dilution Factor: 1		Analysis Time..: 15:09		
Iron	25400	12.6	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10E
		Dilution Factor: 1		Analysis Time..: 15:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

TOTAL Metals

Lot-Sample #...: H8E040125-010 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	21400	632	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10F
		Dilution Factor: 1		Analysis Time..: 15:09		
Manganese	674	1.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10G
		Dilution Factor: 1		Analysis Time..: 15:09		
Nickel	33.0	5.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10H
		Dilution Factor: 1		Analysis Time..: 15:09		
Potassium	1480	632	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10J
		Dilution Factor: 1		Analysis Time..: 15:09		
Silver	ND	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10K
		Dilution Factor: 1		Analysis Time..: 15:09		
Sodium	ND	632	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10L
		Dilution Factor: 1		Analysis Time..: 15:09		
Vanadium	26.9	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10M
		Dilution Factor: 1		Analysis Time..: 15:09		
Zinc	77.5	2.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDJ10N
		Dilution Factor: 1		Analysis Time..: 15:09		

Prep Batch #...: 8140174

Mercury	ND	0.042	mg/kg	SW846 7471A	05/21/98	CGWDJ10U
		Dilution Factor: 1		Analysis Time..: 15:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

TOTAL Metals

Lot-Sample #...: H8E040125-005 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	**6540**	**23.6**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC105**
		Dilution Factor: 1		Analysis Time..: 14:44		
Arsenic	**5.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/19-06/06/98**	**CGWDC10Q**
		Dilution Factor: 1		Analysis Time..: 18:38		
Lead	**34.2**	**0.35**	**mg/kg**	**SW846 6010A**	**05/19-06/06/98**	**CGWDC10R**
		Dilution Factor: 1		Analysis Time..: 18:38		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC106
		Dilution Factor: 1		Analysis Time..: 14:44		
Barium	**47.1**	**23.6**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC107**
		Dilution Factor: 1		Analysis Time..: 14:44		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/19-06/06/98	CGWDC10T
		Dilution Factor: 1		Analysis Time..: 18:38		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC108
		Dilution Factor: 1		Analysis Time..: 14:44		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/06/98	CGWDC10U
		Dilution Factor: 1		Analysis Time..: 18:38		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC109
		Dilution Factor: 1		Analysis Time..: 14:44		
Calcium	**47600**	**591**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC10A**
		Dilution Factor: 1		Analysis Time..: 14:44		
Chromium	**11.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC10C**
		Dilution Factor: 1		Analysis Time..: 14:44		
Cobalt	**8.9**	**5.9**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC10D**
		Dilution Factor: 1		Analysis Time..: 14:44		
Copper	**14.1**	**3.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC10E**
		Dilution Factor: 1		Analysis Time..: 14:44		
Iron	**14600**	**11.8**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWDC10F**
		Dilution Factor: 1		Analysis Time..: 14:44		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

TOTAL Metals

Lot-Sample #...: H8E040125-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	9820	591	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10G
		Dilution Factor: 1		Analysis Time..: 14:44		
Manganese	287	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10H
		Dilution Factor: 1		Analysis Time..: 14:44		
Nickel	15.4	4.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10J
		Dilution Factor: 1		Analysis Time..: 14:44		
Potassium	772	591	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10K
		Dilution Factor: 1		Analysis Time..: 14:44		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10L
		Dilution Factor: 1		Analysis Time..: 14:44		
Sodium	ND	591	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10M
		Dilution Factor: 1		Analysis Time..: 14:44		
Vanadium	19.9	5.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10N
		Dilution Factor: 1		Analysis Time..: 14:44		
Zinc	75.4	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDC10P
		Dilution Factor: 1		Analysis Time..: 14:44		

Prep Batch #...: 8140174

Mercury	0.19	0.039	mg/kg	SW846 7471A	05/21/98	CGWDC10V
		Dilution Factor: 1		Analysis Time..: 15:16		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

TOTAL Metals

Lot-Sample #...: H8E040127-001 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	5830	23.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10C
		Dilution Factor: 1		Analysis Time..: 15:14		
Arsenic	9.6	1.2	mg/kg	SW846 6010A	05/19-06/08/98	CGWDT125
		Dilution Factor: 1		Analysis Time..: 15:41		
Lead	7.6	0.35	mg/kg	SW846 6010A	05/19-06/08/98	CGWDT128
		Dilution Factor: 1		Analysis Time..: 15:41		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10F
		Dilution Factor: 1		Analysis Time..: 15:14		
Barium	36.1	23.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10J
		Dilution Factor: 1		Analysis Time..: 15:14		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/19-06/08/98	CGWDT12C
		Dilution Factor: 1		Analysis Time..: 15:41		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10M
		Dilution Factor: 1		Analysis Time..: 15:14		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/08/98	CGWDT12F
		Dilution Factor: 1		Analysis Time..: 15:41		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10Q
		Dilution Factor: 1		Analysis Time..: 15:14		
Calcium	47700	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10U
		Dilution Factor: 1		Analysis Time..: 15:14		
Chromium	9.7	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT10X
		Dilution Factor: 1		Analysis Time..: 15:14		
Cobalt	9.1	5.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT112
		Dilution Factor: 1		Analysis Time..: 15:14		
Copper	13.7	2.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT115
		Dilution Factor: 1		Analysis Time..: 15:14		
Iron	13600	11.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT118
		Dilution Factor: 1		Analysis Time..: 15:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6930

TOTAL Metals

Lot-Sample #...: H8E040127-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	12700	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11C
		Dilution Factor: 1		Analysis Time..: 15:14		
Manganese	381	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11F
		Dilution Factor: 1		Analysis Time..: 15:14		
Nickel	16.0	4.7	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11J
		Dilution Factor: 1		Analysis Time..: 15:14		
Potassium	998	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11M
		Dilution Factor: 1		Analysis Time..: 15:14		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11Q
		Dilution Factor: 1		Analysis Time..: 15:14		
Sodium	ND	588	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11U
		Dilution Factor: 1		Analysis Time..: 15:14		
Vanadium	18.4	5.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT11X
		Dilution Factor: 1		Analysis Time..: 15:14		
Zinc	39.6	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWDT122
		Dilution Factor: 1		Analysis Time..: 15:14		
Prep Batch #...: 8140174						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/21/98	CGWDT12J
		Dilution Factor: 1		Analysis Time..: 15:31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

TOTAL Metals

Lot-Sample #...: H8E040127-002 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	11900	24.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8104
		Dilution Factor: 1		Analysis Time..: 15:53		
Arsenic	7.6	1.2	mg/kg	SW846 6010A	05/19-06/08/98	CGWE810P
		Dilution Factor: 1		Analysis Time..: 16:03		
Lead	10.3	0.36	mg/kg	SW846 6010A	05/19-06/08/98	CGWE810Q
		Dilution Factor: 1		Analysis Time..: 16:03		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8105
		Dilution Factor: 1		Analysis Time..: 15:53		
Barium	88.3	24.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8106
		Dilution Factor: 1		Analysis Time..: 15:53		
Selenium	0.64	0.60	mg/kg	SW846 6010A	05/19-06/08/98	CGWE810R
		Dilution Factor: 1		Analysis Time..: 16:03		
Beryllium	0.75	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8107
		Dilution Factor: 1		Analysis Time..: 15:53		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/08/98	CGWE810T
		Dilution Factor: 1		Analysis Time..: 16:03		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8108
		Dilution Factor: 1		Analysis Time..: 15:53		
Calcium	3800	604	mg/kg	SW846 6010A	05/19-06/05/98	CGWE8109
		Dilution Factor: 1		Analysis Time..: 15:53		
Chromium	16.8	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810A
		Dilution Factor: 1		Analysis Time..: 15:53		
Cobalt	14.2	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810C
		Dilution Factor: 1		Analysis Time..: 15:53		
Copper	18.2	3.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810D
		Dilution Factor: 1		Analysis Time..: 15:53		
Iron	22000	12.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810E
		Dilution Factor: 1		Analysis Time..: 15:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6940

TOTAL Metals

Lot-Sample #...: H8E040127-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	2490	604	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810F
		Dilution Factor: 1		Analysis Time..: 15:53		
Manganese	298	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810G
		Dilution Factor: 1		Analysis Time..: 15:53		
Nickel	19.9	4.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810H
		Dilution Factor: 1		Analysis Time..: 15:53		
Potassium	722	604	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810J
		Dilution Factor: 1		Analysis Time..: 15:53		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810K
		Dilution Factor: 1		Analysis Time..: 15:53		
Sodium	ND	604	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810L
		Dilution Factor: 1		Analysis Time..: 15:53		
Vanadium	28.5	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810M
		Dilution Factor: 1		Analysis Time..: 15:53		
Zinc	61.2	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWE810N
		Dilution Factor: 1		Analysis Time..: 15:53		

Prep Batch #...: 8140174

Mercury	ND	0.040	mg/kg	SW846 7471A	05/21/98	CGWE810U
		Dilution Factor: 1		Analysis Time..: 15:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

TOTAL Metals

Lot-Sample #...: H8E040127-003 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	**8440**	**24.3**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF105**
		Dilution Factor: 1		Analysis Time..: 15:58		
Arsenic	**5.8**	**1.2**	**mg/kg**	**SW846 6010A**	**05/19-06/08/98**	**CGWEF10Q**
		Dilution Factor: 1		Analysis Time..: 16:08		
Lead	**11.5**	**0.36**	**mg/kg**	**SW846 6010A**	**05/19-06/08/98**	**CGWEF10R**
		Dilution Factor: 1		Analysis Time..: 16:08		
Antimony	ND	7.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF106
		Dilution Factor: 1		Analysis Time..: 15:58		
Barium	**81.4**	**24.3**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF107**
		Dilution Factor: 1		Analysis Time..: 15:58		
Selenium	**0.62**	**0.61**	**mg/kg**	**SW846 6010A**	**05/19-06/08/98**	**CGWEF10T**
		Dilution Factor: 1		Analysis Time..: 16:08		
Beryllium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF108
		Dilution Factor: 1		Analysis Time..: 15:58		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/19-06/08/98	CGWEF10U
		Dilution Factor: 1		Analysis Time..: 16:08		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF109
		Dilution Factor: 1		Analysis Time..: 15:58		
Calcium	**4410**	**608**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF10A**
		Dilution Factor: 1		Analysis Time..: 15:58		
Chromium	**10.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF10C**
		Dilution Factor: 1		Analysis Time..: 15:58		
Cobalt	**10.5**	**6.1**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF10D**
		Dilution Factor: 1		Analysis Time..: 15:58		
Copper	**12.9**	**3.0**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF10E**
		Dilution Factor: 1		Analysis Time..: 15:58		
Iron	**16600**	**12.2**	**mg/kg**	**SW846 6010A**	**05/19-06/05/98**	**CGWEF10F**
		Dilution Factor: 1		Analysis Time..: 15:58		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6950

TOTAL Metals

Lot-Sample #...: H8E040127-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	1740	608	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10G
		Dilution Factor: 1		Analysis Time..: 15:58		
Manganese	574	1.8	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10H
		Dilution Factor: 1		Analysis Time..: 15:58		
Nickel	12.2	4.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10J
		Dilution Factor: 1		Analysis Time..: 15:58		
Potassium	611	608	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10K
		Dilution Factor: 1		Analysis Time..: 15:58		
Silver	ND	1.2	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10L
		Dilution Factor: 1		Analysis Time..: 15:58		
Sodium	ND	608	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10M
		Dilution Factor: 1		Analysis Time..: 15:58		
Vanadium	21.1	6.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10N
		Dilution Factor: 1		Analysis Time..: 15:58		
Zinc	40.2	2.4	mg/kg	SW846 6010A	05/19-06/05/98	CGWEF10P
		Dilution Factor: 1		Analysis Time..: 15:58		
Prep Batch #...: 8140174						
Mercury	0.046	0.040	mg/kg	SW846 7471A	05/21/98	CGWEF10V
		Dilution Factor: 1		Analysis Time..: 15:45		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

TOTAL Metals

Lot-Sample #...: H8E040127-004 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8139142						
Aluminum	8350	25.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG104
		Dilution Factor: 1		Analysis Time..: 16:03		
Arsenic	11.6	1.3	mg/kg	SW846 6010A	05/19-06/08/98	CGWEG10P
		Dilution Factor: 1		Analysis Time..: 16:14		
Lead	9.7	0.38	mg/kg	SW846 6010A	05/19-06/08/98	CGWEG10Q
		Dilution Factor: 1		Analysis Time..: 16:14		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG105
		Dilution Factor: 1		Analysis Time..: 16:03		
Barium	84.2	25.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG106
		Dilution Factor: 1		Analysis Time..: 16:03		
Selenium	ND	0.63	mg/kg	SW846 6010A	05/19-06/08/98	CGWEG10R
		Dilution Factor: 1		Analysis Time..: 16:14		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG107
		Dilution Factor: 1		Analysis Time..: 16:03		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/19-06/08/98	CGWEG10T
		Dilution Factor: 1		Analysis Time..: 16:14		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG108
		Dilution Factor: 1		Analysis Time..: 16:03		
Calcium	56100	627	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG109
		Dilution Factor: 1		Analysis Time..: 16:03		
Chromium	15.0	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10A
		Dilution Factor: 1		Analysis Time..: 16:03		
Cobalt	15.6	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10C
		Dilution Factor: 1		Analysis Time..: 16:03		
Copper	21.4	3.1	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10D
		Dilution Factor: 1		Analysis Time..: 16:03		
Iron	22700	12.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10E
		Dilution Factor: 1		Analysis Time..: 16:03		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6960

TOTAL Metals

Lot-Sample #...: H8E040127-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	15800	627	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10F
		Dilution Factor: 1		Analysis Time..: 16:03		
Manganese	609	1.9	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10G
		Dilution Factor: 1		Analysis Time..: 16:03		
Nickel	24.8	5.0	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10H
		Dilution Factor: 1		Analysis Time..: 16:03		
Potassium	1630	627	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10J
		Dilution Factor: 1		Analysis Time..: 16:03		
Silver	ND	1.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10K
		Dilution Factor: 1		Analysis Time..: 16:03		
Sodium	ND	627	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10L
		Dilution Factor: 1		Analysis Time..: 16:03		
Vanadium	24.8	6.3	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10M
		Dilution Factor: 1		Analysis Time..: 16:03		
Zinc	60.2	2.5	mg/kg	SW846 6010A	05/19-06/05/98	CGWEG10N
		Dilution Factor: 1		Analysis Time..: 16:03		

Prep Batch #...: 8140174

Mercury	ND	0.041	mg/kg	SW846 7471A	05/21/98	CGWEG10U
		Dilution Factor: 1		Analysis Time..: 15:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E200000-174 **Prep Batch #...:** 8140174						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/21/98	CHA3X101
		Dilution Factor: 1				
		Analysis Time..: 14:52				
MB Lot-Sample #: H8E190000-142 **Prep Batch #...:** 8139142						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10K
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/19-06/06/98	CH95N10F
		Dilution Factor: 1				
		Analysis Time..: 17:31				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10L
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Lead	ND	0.30	mg/kg	SW846 6010A	05/19-06/06/98	CH95N10G
		Dilution Factor: 1				
		Analysis Time..: 17:31				
Barium	ND	20.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10M
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/19-06/06/98	CH95N10H
		Dilution Factor: 1				
		Analysis Time..: 17:31				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10N
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/19-06/06/98	CH95N10J
		Dilution Factor: 1				
		Analysis Time..: 17:31				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10P
		Dilution Factor: 1				
		Analysis Time..: 12:00				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/19-06/05/98	CH95N101
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N102
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N103
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Copper	ND	2.5	mg/kg	SW846 6010A	05/19-06/05/98	CH95N104
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Iron	ND	10.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N105
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Magnesium	ND	500	mg/kg	SW846 6010A	05/19-06/05/98	CH95N106
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/19-06/05/98	CH95N107
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N108
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Potassium	ND	500	mg/kg	SW846 6010A	05/19-06/05/98	CH95N109
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Silver	ND	1.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10A
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Sodium	ND	500	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10C
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10D
		Dilution Factor: 1				
		Analysis Time..: 12:00				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/19-06/05/98	CH95N10E

Dilution Factor: 1

Analysis Time..: 12:00

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E150000-135 **Prep Batch #...:** 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210H
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210D
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210J
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210E
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210K
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210F
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210L
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210G
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210M
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H210N
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210P
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2101
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2102
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CH6H2103
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2104
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2105
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2106
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2107
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2108
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2109
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210A
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210C
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E180000-109 **Prep Batch #...:** 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CH8AX101
		Dilution Factor: 1				
		Analysis Time..: 09:38				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E040127-001 **Prep Batch #...:** 8139142							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10E
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Arsenic	83	(80 - 120)			SW846 6010A	05/19-06/08/98	CGWDT126
	84	(80 - 120)	1.5	(0-20)	SW846 6010A	05/19-06/08/98	CGWDT127
		Dilution Factor: 1					
		Analysis Time..: 15:52					
Antimony	68 N	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10G
	52 N,*	(80 - 120)	24	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10H
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Lead	82	(80 - 120)			SW846 6010A	05/19-06/08/98	CGWDT129
	85	(80 - 120)	2.6	(0-20)	SW846 6010A	05/19-06/08/98	CGWDT12A
		Dilution Factor: 1					
		Analysis Time..: 15:52					
Barium	90	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10K
	95	(80 - 120)	5.2	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10L
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Selenium	80	(80 - 120)			SW846 6010A	05/19-06/08/98	CGWDT12D
	82	(80 - 120)	2.6	(0-20)	SW846 6010A	05/19-06/08/98	CGWDT12E
		Dilution Factor: 1					
		Analysis Time..: 15:52					
Beryllium	104	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10N
	107	(80 - 120)	3.0	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10P
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Thallium	78 N	(80 - 120)			SW846 6010A	05/19-06/08/98	CGWDT12G
	80	(80 - 120)	2.8	(0-20)	SW846 6010A	05/19-06/08/98	CGWDT12H
		Dilution Factor: 1					
		Analysis Time..: 15:52					
Cadmium	100	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10R
	101	(80 - 120)	1.4	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10T
		Dilution Factor: 1					
		Analysis Time..: 15:43					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	NC,MSB	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT10V
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/19-06/05/98	CGWDT10W
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Chromium	99	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT110
	111	(80 - 120)	8.6	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT111
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Cobalt	86	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT113
	88	(80 - 120)	2.5	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT114
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Copper	89	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT116
	97	(80 - 120)	5.4	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT117
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT119
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11A
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Magnesium	89	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11D
	106	(80 - 120)	5.5	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11E
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Manganese	1.4 N	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11G
	82	(80 - 120)	12	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11H
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Nickel	87	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11K
	94	(80 - 120)	6.0	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11L
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Potassium	104	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11N
	121 N	(80 - 120)	13	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11P
		Dilution Factor: 1					
		Analysis Time..: 15:43					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/04/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	83	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11R
	86	(80 - 120)	3.2	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11T
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Sodium	96	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT11V
	99	(80 - 120)	2.6	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT11W
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Vanadium	100	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT120
	106	(80 - 120)	4.9	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT121
		Dilution Factor: 1					
		Analysis Time..: 15:43					
Zinc	92	(80 - 120)			SW846 6010A	05/19-06/05/98	CGWDT123
	103	(80 - 120)	6.1	(0-20)	SW846 6010A	05/19-06/05/98	CGWDT124
		Dilution Factor: 1					
		Analysis Time..: 15:43					

MS Lot-Sample #: H8E040127-001 **Prep Batch #...:** 8140174

Mercury	107	(55 - 130)			SW846 7471A	05/21/98	CGWDT12K
	107	(55 - 130)	0.0	(0-20)	SW846 7471A	05/21/98	CGWDT12L
		Dilution Factor: 1					
		Analysis Time..: 15:33					

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.

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.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E190000-142 **Prep Batch #...:** 8139142					
Calcium	100	(84 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10Q
Chromium	103	(87 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10R
Cobalt	98	(87 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10T
Copper	94	(86 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10U
Iron	95	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10V
Magnesium	101	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10W
Manganese	97	(89 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N10X
Aluminum	104	(89 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N11A
Antimony	99	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N11C
Barium	96	(88 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:05	05/19-06/05/98	CH95N11D

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	104	(80 - 118)	SW846 6010A	05/19-06/05/98	CH95N11E
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Cadmium	101	(80 - 113)	SW846 6010A	05/19-06/05/98	CH95N11F
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Nickel	98	(88 - 115)	SW846 6010A	05/19-06/05/98	CH95N110
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Potassium	104	(83 - 113)	SW846 6010A	05/19-06/05/98	CH95N111
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Silver	92	(80 - 117)	SW846 6010A	05/19-06/05/98	CH95N112
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Sodium	104	(85 - 115)	SW846 6010A	05/19-06/05/98	CH95N113
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Vanadium	98	(89 - 113)	SW846 6010A	05/19-06/05/98	CH95N114
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Zinc	102	(89 - 118)	SW846 6010A	05/19-06/05/98	CH95N115
		Dilution Factor: 1			
		Analysis Time..: 12:05			
Arsenic	86	(83 - 110)	SW846 6010A	05/19-06/06/98	CH95N116
		Dilution Factor: 1			
		Analysis Time..: 17:37			
Lead	87	(84 - 110)	SW846 6010A	05/19-06/06/98	CH95N117
		Dilution Factor: 1			
		Analysis Time..: 17:37			
Selenium	82	(80 - 110)	SW846 6010A	05/19-06/06/98	CH95N118
		Dilution Factor: 1			
		Analysis Time..: 17:37			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	81 N	(83 - 110)	SW846 6010A	05/19-06/06/98	CH95N119
		Dilution Factor: 1			
		Analysis Time..: 17:37			

LCS Lot-Sample#: H8E200000-174 **Prep Batch #...:** 8140174

Mercury	104	(80 - 120)	SW846 7471A	05/21/98	CHA3X102
		Dilution Factor: 1			
		Analysis Time..: 14:55			

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 #...: PB020 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E150000-135 **Prep Batch #...:** 8135135					
Cobalt	101	(83 - 115)	SW846 6010A	05/15-05/22/98	CH6H210Q
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Copper	96	(82 - 116)	SW846 6010A	05/15-05/22/98	CH6H210R
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Iron	94	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H210T
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Magnesium	107	(82 - 120)	SW846 6010A	05/15-05/22/98	CH6H210U
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Manganese	102	(86 - 116)	SW846 6010A	05/15-05/22/98	CH6H210V
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Nickel	104	(83 - 120)	SW846 6010A	05/15-05/22/98	CH6H210W
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Potassium	106	(81 - 115)	SW846 6010A	05/15-05/22/98	CH6H210X
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Barium	99	(82 - 112)	SW846 6010A	05/15-05/22/98	CH6H211A
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Beryllium	108	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H211C
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Cadmium	112	(81 - 118)	SW846 6010A	05/15-05/22/98	CH6H211D
		Dilution Factor: 1			
		Analysis Time..: 17:21			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	104	(82 - 120)	SW846 6010A	05/15-05/22/98	CH6H211E
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Chromium	106	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H211F
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Silver	103	(80 - 120)	SW846 6010A	05/15-05/22/98	CH6H2110
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Sodium	103	(82 - 114)	SW846 6010A	05/15-05/22/98	CH6H2111
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Vanadium	102	(88 - 117)	SW846 6010A	05/15-05/22/98	CH6H2112
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Zinc	107	(85 - 120)	SW846 6010A	05/15-05/22/98	CH6H2113
		Dilution Factor: 1			
		Analysis Time..: 17:21			
Arsenic	94	(82 - 110)	SW846 6010A	05/15-05/23/98	CH6H2114
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Lead	93	(81 - 111)	SW846 6010A	05/15-05/23/98	CH6H2115
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Selenium	97	(81 - 113)	SW846 6010A	05/15-05/23/98	CH6H2116
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Thallium	87	(80 - 110)	SW846 6010A	05/15-05/23/98	CH6H2117
		Dilution Factor: 1			
		Analysis Time..: 19:01			
Aluminum	103	(83 - 117)	SW846 6010A	05/15-05/22/98	CH6H2118
		Dilution Factor: 1			
		Analysis Time..: 17:21			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB020 **Matrix.....:** WATER

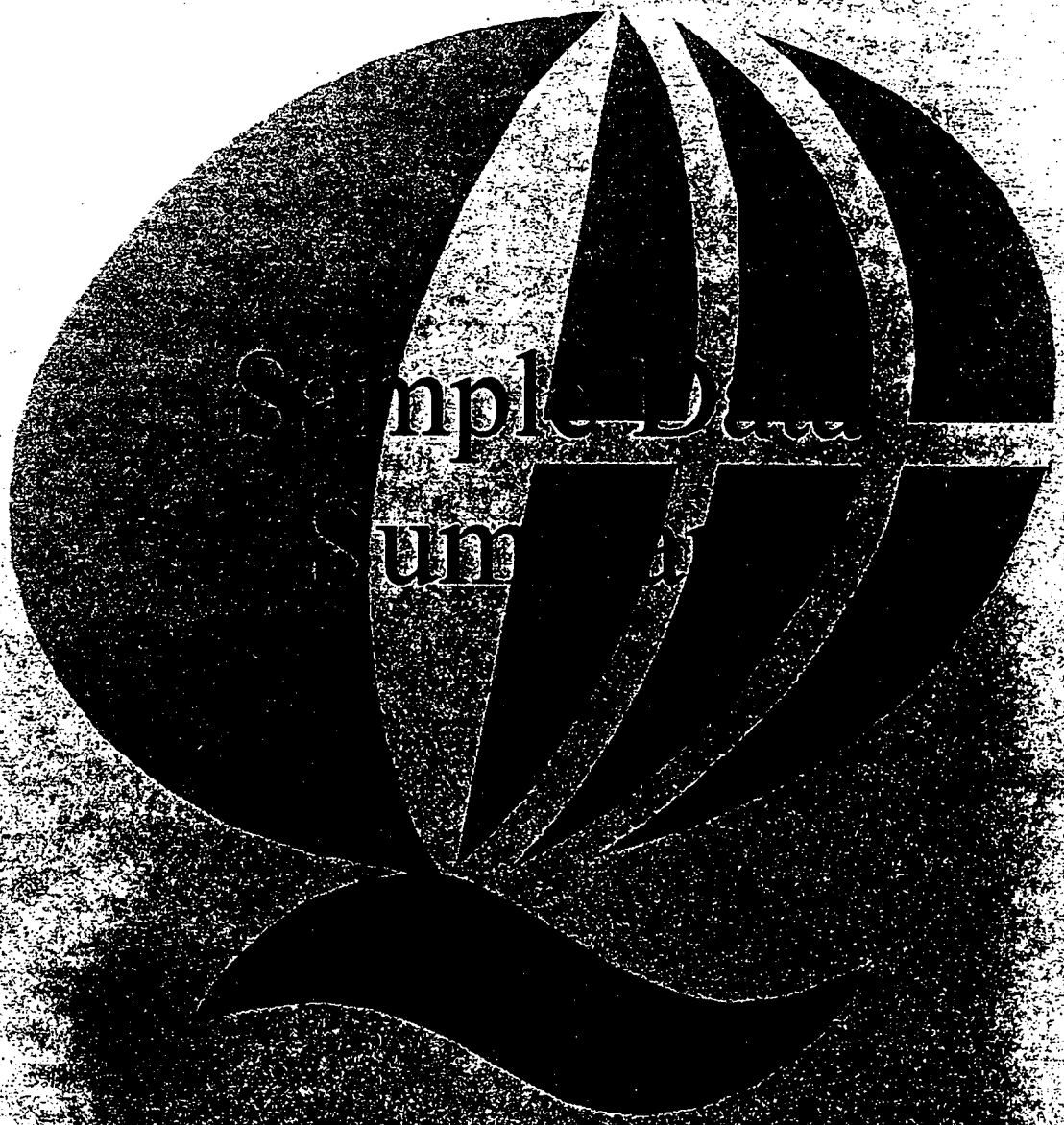
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	102	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H2119
		Dilution Factor: 1			
		Analysis Time..: 17:21			

LCS Lot-Sample#: H8E180000-109 **Prep Batch #...:** 8138109

Mercury	106	(80 - 120)	SW846 7470A	05/18-05/19/98	CH8AX102
		Dilution Factor: 1			
		Analysis Time..: 09:40			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 6230

General Chemistry

Lot-Sample #...: H8E020127-001 Work Order #...: CGVQM Matrix.....: SOLID
Date Sampled...: 04/30/98 Date Received..: 05/02/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	17.9	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142195
		Dilution Factor: 1				
Sulfate	13.5	12.2	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6240

General Chemistry

Lot-Sample #...: H8E020127-002 **Work Order #...:** CGVQN **Matrix.....:** SOLID
Date Sampled...: 04/30/98 **Date Received..:** 05/02/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.9**	**0.10**	**No Units**	**SW846 9045A**	**05/05/98**	**8126191**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Percent Moisture	**17.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/21-05/22/98**	**8142195**
		Dilution Factor: 1				
Sulfate	ND	12.1	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6650

General Chemistry

Lot-Sample #...: H8E040125-001 **Work Order #...:** CGWD5 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**8.0**	**0.10**	**No Units**	**SW846 9045A**	**05/05/98**	**8126205**
		Dilution Factor: 1				
Nitrate as N	ND	5.8	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	**13.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/12-05/13/98**	**8133217**
		Dilution Factor: 1				
Sulfate	ND	11.6	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6660

General Chemistry

Lot-Sample #...: H8E040125-002 **Work Order #...:** CGWD6 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/04/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	21.0	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	41.0	12.7	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6670

General Chemistry

Lot-Sample #...: H8E040125-003 Work Order #...: CGWD9 Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	16.4	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	22.6	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6680

General Chemistry

Lot-Sample #...: H8E040125-004 Work Order #...: CGWDA Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	19.4	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	103	12.4	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6750

General Chemistry

Lot-Sample #...: H8E040125-005 Work Order #...: CGWDC Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	15.4	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	ND	11.8	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6760

General Chemistry

Lot-Sample #...: H8E040125-006 Work Order #...: CGWDD Matrix.....: SOLID
Date Sampled...: 05/01/98 Date Received..: 05/04/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	18.3	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	ND	12.2	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6770

General Chemistry

Lot-Sample #...: H8E040125-007 Work Order #...: CGWDE Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	15.0	11.8	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6780

General Chemistry

Lot-Sample #...: H8E040125-008 Work Order #...: CGWDG Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.5	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	19.3	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	27.8	12.4	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6790

General Chemistry

Lot-Sample #...: H8E040125-009 Work Order #...: CGWDH Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	5.7	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	12.9	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	22.2	11.5	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6800

General Chemistry

Lot-Sample #...: H8E040125-010 Work Order #...: CGWDJ Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/04/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.9	0.10	No Units	SW846 9045A	05/05/98	8126205
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD	05/12-05/13/98	8133217
		Dilution Factor: 1				
Sulfate	40.6	12.6	mg/kg	SW846 9056	05/06-05/07/98	8128217
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: PB020 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH22P101		MB Lot-Sample #:	B8E080000-212	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1				
Nitrate as N		Work Order #: CH231101		MB Lot-Sample #:	B8E080000-214	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1				
Sulfate		Work Order #: CH233101		MB Lot-Sample #:	B8E080000-215	
	ND	10.0	mg/kg	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1				
Sulfate		Work Order #: CH238101		MB Lot-Sample #:	B8E080000-217	
	ND	10.0	mg/kg	SW846 9056	05/06-05/07/98	8128217
		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 #...: PB020 **Matrix.....:** SOLID
Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#:	CGVRN12T-MS/CGVRN12U-MSD			MS Lot-Sample #:	H8E020129-001
	103	(80 - 120)			SW846 9056	05/06-05/07/98	8128212
	103	(80 - 120)	0.29	(0-20)	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1					
Sulfate		WO#:	CGVRN12W-MS/CGVRN12X-MSD			MS Lot-Sample #:	H8E020129-001
	98	(80 - 120)			SW846 9056	05/06-05/07/98	8128215
	98	(80 - 120)	0.06	(0-20)	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1					

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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: H8E020127 **Work Order #...:** CGVRN-SMP CGVRN-DUP **Matrix.....:** SOLID

Date Sampled...: 05/01/98 **Date Received..:** 05/02/98

% Moisture.....: 23

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E020129-001	
	7.8	7.8	No Units	0.18	(0-20)	SW846 9045A	05/05/98	8126191

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB020 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CGXWW101-LCS/CGXWW102-LCSD				LCS Lot-Sample#: B8E060000-191	
	99	(99 - 101)			SW846 9045A	05/05/98	8126191
	100	(99 - 101)	0.73	(0-20)	SW846 9045A	05/05/98	8126191
		Dilution Factor: 1					
pH (solid)		WO#:CH02E101-LCS/CH02E102-LCSD				LCS Lot-Sample#: B8E060000-205	
	100	(99 - 101)			SW846 9045A	05/05/98	8126205
	100	(99 - 101)	0.07	(0-20)	SW846 9045A	05/05/98	8126205
		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 #...: PB020 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH22P102		LCS Lot-Sample#: B8E080000-212	
	89	(89 - 110)	SW846 9056	05/06-05/07/98	8128212
		Dilution Factor: 1			
Nitrate as N		Work Order #: CH231102		LCS Lot-Sample#: B8E080000-214	
	90	(89 - 110)	SW846 9056	05/06-05/07/98	8128214
		Dilution Factor: 1			
Sulfate		Work Order #: CH233102		LCS Lot-Sample#: B8E080000-215	
	93	(80 - 120)	SW846 9056	05/06-05/07/98	8128215
		Dilution Factor: 1			
Sulfate		Work Order #: CH238102		LCS Lot-Sample#: B8E080000-217	
	93	(80 - 120)	SW846 9056	05/06-05/07/98	8128217
		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# PB020

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	PH	TOTAL	ANIONS	EXP
				8260A	8270B	8081	9045	6010A	9056	8330
1	5/2/98	H8E020127	6230	X	X	X	T	X	T	
2			6231	X	X	X		X		
3			6240	X	X		T	X	T	
4			9002	X						
5		H8E040125	6650	X	X	X	T	X	T	
6			6660	X	X		T	X	T	
7			6670	X	X	X	T	X	T	
8			6680	X	X		T	X	T	
9			6750	X	X	X	T	X	T	
10			6760	X	X		T	X	T	
11			6770	X	X	X	T	X	T	
12			6780	X	X		T	X	T	
13			6790	X	X	X	T	X	T	
14			6800	X	X		T	X	T	
15	5/4/98	H8E040127	6930	QC	QC	QC		QC		
16			6940	X	X			X		
17			6950	X	X	X		X		
18			6960	X	X			X		
19										
20										

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

MATRIX: SOIL
ANALYTICAL DUE: 5-25-98
REPORT DUE: 5-29-98
CLOSED?_YES___

6/8/9810:11 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT Corp PROJECT: Plumbrook Lot No.: H8E020127

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: 5/4/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			✓
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified?

PROJECT MANAGER : _____ DATE: 5/1/98 per faxed RFA/COC

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
9002	VOA	79	Labeled 9002 ; sample name. COC = 9200
			Processed as 9002 per
			RFA & label ID.

☐ Client informed on _____ by _____. Person contacted: _____.
☑ Noted actions in comments section above.
☐ No action necessary; process as is.
Project Manager: _____ Date: 5/4/98

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.: H8E020127

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: 5/5/98

Quote # 23131

H8E020127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-050198QESK

Project Number: 773206

Samples Shipment Date: 01-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/801624850513

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: 5/1/98 Time: 1700	1. Received By (Signature/Affiliation)	Date: 5/2/98 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:

Rec'd @ 6 °C
w/Custody Seals
Intact BPB 5/2/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6230	PBOW-98-SO-AA1-SB12-6230-(0001)	30-APR-98	14:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6230	PBOW-98-SO-AA1-SB12-6230-(0001)	30-APR-98	14:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6230	PBOW-98-SO-AA1-SB12-6230-(0001)	30-APR-98	14:40	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6230	PBOW-98-SO-AA1-SB12-6230-(0001)	30-APR-98	14:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6231	PBOW-98-AA1--AA1-SB12-6231	30-APR-98	15:45	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
6231	PBOW-98-AA1--AA1-SB12-6231	30-APR-98	15:45	1 L Amb. Glass	2	NONE EXCEPT COOL TO	TCL Pesticide/PCBs by SW-846 8081	N		

H8E020127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA1-050198QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6231	PBOW-98-AA1--AA1-SB12-6231	30-APR-98	15:45	1 L HDPE	1	HNO3<PH2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
6231	PBOW-98-AA1--AA1-SB12-6231	30-APR-98	15:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6240	PBOW-98-SO-AA1-SB12-6240-(0910)	30-APR-98	15:15	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6240	PBOW-98-SO-AA1-SB12-6240-(0910)	30-APR-98	15:15	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6240	PBOW-98-SO-AA1-SB12-6240-(0910)	30-APR-98	15:15	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6240	PBOW-98-SO-AA1-SB12-6240-(0910)	30-APR-98	15:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
9002	~~PBOW-98-BW-AA1-TB-9200-(0000)~~	30-APR-98	17:00	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

PBOW-98-BW-AA1-TB-9200-(0000)

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT CORP PROJECT: PALMBROOK Lot No.: HFE040125

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: 5-4-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions? per SOL SOG PB--	✓		
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 5/4/98

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: I.T. Knx PROJECT: PBOW Lot No.: HPE0Y0125

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: 5/5/98

QA016R7.doc, 01/29/98

H8D H8E040125
DKO
5-4-98

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050298QESK

Project Number: 773206
Samples Shipment Date: 02-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/801624850502

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: 5/2/98 Time: 1300
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Diane Lange Date: 5/4/98 Time: 8:50
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments: Custody Seals intact received at 3°C DL 5/4/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6650 /	PBOW-98-SO-AA3-SB03-6650-(0001)	01-MAY-98	14:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6650 /	PBOW-98-SO-AA3-SB03-6650-(0001)	01-MAY-98	14:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6650 /	PBOW-98-SO-AA3-SB03-6650-(0001)	01-MAY-98	14:45	4 oz CWM	2	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6650 /	PBOW-98-SO-AA3-SB03-6650-(0001)	01-MAY-98	14:45	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6660 /	PBOW-98-SO-AA3-SB03-6660-(0910)	01-MAY-98	15:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6660 /	PBOW-98-SO-AA3-SB03-6660-(0910)	01-MAY-98	15:10	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		

H8E040125

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050298QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6660	PBOW-98-SO-AA3-SB03-6660-(0910)	01-MAY-98	15:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6660	PBOW-98-SO-AA3-SB03-6660-(0910)	01-MAY-98	15:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6670	PBOW-98-SO-AA3-SB04-6670-(0001)	01-MAY-98	15:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6670	PBOW-98-SO-AA3-SB04-6670-(0001)	01-MAY-98	15:30	4 oz CWM	2	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6670	PBOW-98-SO-AA3-SB04-6670-(0001)	01-MAY-98	15:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6670	PBOW-98-SO-AA3-SB04-6670-(0001)	01-MAY-98	15:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6680	PBOW-98-SO-AA3-SB04-6680-(0910)	01-MAY-98	15:50	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6680	PBOW-98-SO-AA3-SB04-6680-(0910)	01-MAY-98	15:50	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6680	PBOW-98-SO-AA3-SB04-6680-(0910)	01-MAY-98	15:50	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6680	PBOW-98-SO-AA3-SB04-6680-(0910)	01-MAY-98	15:50	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6750	PBOW-98-SO-AA3-SB08-6750-(0001)	01-MAY-98	16:15	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6750	PBOW-98-SO-AA3-SB08-6750-(0001)	01-MAY-98	16:15	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6750	PBOW-98-SO-AA3-SB08-6750-(0001)	01-MAY-98	16:15	4 oz CWM	2	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6750	PBOW-98-SO-AA3-SB08-6750-(0001)	01-MAY-98	16:15	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6760	PBOW-98-SO-AA3-SB08-6760-(0910)	01-MAY-98	16:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6760	PBOW-98-SO-AA3-SB08-6760-(0910)	01-MAY-98	16:40	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6760	PBOW-98-SO-AA3-SB08-6760-(0910)	01-MAY-98	16:40	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6760	PBOW-98-SO-AA3-SB08-6760-(0910)	01-MAY-98	16:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6770	PBOW-98-SO-AA3-SB09-6770-(0001)	02-MAY-98	08:45	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6770	PBOW-98-SO-AA3-SB09-6770-(0001)	02-MAY-98	08:45	4 oz CWM	2	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6770	PBOW-98-SO-AA3-SB09-6770-(0001)	02-MAY-98	08:45	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6770	PBOW-98-SO-AA3-SB09-6770-(0001)	02-MAY-98	08:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6780	PBOW-98-SO-AA3-SB09-6780-(0910)	02-MAY-98	09:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6780	PBOW-98-SO-AA3-SB09-6780-(0910)	02-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6780	PBOW-98-SO-AA3-SB09-6780-(0910)	02-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6780	PBOW-98-SO-AA3-SB09-6780-(0910)	02-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil,	N		

H8E040125

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050298QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							pH by SW-846 9045B			
6790 /	PBOW-98-SO-AA3-SB10-6790-(0001)	02-MAY-98	08:05	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6790 /	PBOW-98-SO-AA3-SB10-6790-(0001)	02-MAY-98	08:05	4 oz CWM	2	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6790 /	PBOW-98-SO-AA3-SB10-6790-(0001)	02-MAY-98	08:05	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6790 /	PBOW-98-SO-AA3-SB10-6790-(0001)	02-MAY-98	08:05	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6800 /	PBOW-98-SO-AA3-SB10-6800-(0910)	02-MAY-98	08:30	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6800 /	PBOW-98-SO-AA3-SB10-6800-(0910)	02-MAY-98	08:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6800 /	PBOW-98-SO-AA3-SB10-6800-(0910)	02-MAY-98	08:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6800 /	PBOW-98-SO-AA3-SB10-6800-(0910)	02-MAY-98	08:30	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT CORP PROJECT: PINNACLE Lot No.: H8E040127

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: 5-4-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ? per SDG PB... (SSL)	✓		
2. If custody seals were missing/not intact, was client notified?			

PROJECT MANAGER : [illegible] DATE: 5/4/98

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: IT. KNX PROJECT: PBOW Lot No.: H8E0Y0127

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: 5/5/98

H8E040127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBMNT-050298QES

Project Number: 773206

Samples Shipment Date: 02-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/801624850502

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: 5/2/98 Time: 1300	1. Received By (Signature/Affiliation) Diane Yange	Date: 5/4/98 Time: 8:50
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

custody seals intact
received at 3°C DL 5/4/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6930	PBOW-98-SO-MNT-SB02-6930-(0001)	02-MAY-98	10:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6930	PBOW-98-SO-MNT-SB02-6930-(0001)	02-MAY-98	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6930	PBOW-98-SO-MNT-SB02-6930-(0001)	02-MAY-98	10:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6930-MS	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6930-MS	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6930-MS	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6930-MSD	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

H8E040127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBMNT-050298QES

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6930-MSD	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6930-MSD	PBOW-98-SO-MNT-SB02-6930-(0001)-	02-MAY-98	10:40	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6940	PBOW-98-SO-MNT-SB02-6940-(0109)	02-MAY-98	11:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6940	PBOW-98-SO-MNT-SB02-6940-(0109)	02-MAY-98	11:10	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6940	PBOW-98-SO-MNT-SB02-6940-(0109)	02-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6950	PBOW-98-SO-MNT-SB03-6950-(0001)	02-MAY-98	11:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6950	PBOW-98-SO-MNT-SB03-6950-(0001)	02-MAY-98	11:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6950	PBOW-98-SO-MNT-SB03-6950-(0001)	02-MAY-98	11:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6960	PBOW-98-SO-MNT-SB03-6960-(0109)	02-MAY-98	11:50	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6960	PBOW-98-SO-MNT-SB03-6960-(0109)	02-MAY-98	11:50	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6960	PBOW-98-SO-MNT-SB03-6960-(0109)	02-MAY-98	11:50	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

NEED ANALYTICAL REPORT BY
5/24/98

ATTN:

LAB PURCHASE ORDER: SR010794

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0004

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E020127-001 CGVQM-1-0W	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020127-001 CGVQM-1-0X	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020127-001 CGVQM-1-10	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E020127-002 CGVQN-1-0V	4/30/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E020127-002 CGVQN-1-0W	4/30/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E020127-002 CGVQN-1-0X	4/30/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 5/02/98

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: _____ 5/02/98 13:20:36
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,- KNX

RELINQUISHED BY: Diane Hanga DATE/TIME: 5/4/98 3:00

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: Carol McNulty DATE/TIME: 5/5/98

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

Quanterra Incorporated
SAMPLE ANALYSIS REQUISITION

LABORATORY: Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,DAM ER

NEED ANALYTICAL REPORT BY
5/24/98

ATTN:

LAB PURCHASE ORDER: SR010808

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E040125-001 CGWD5-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-001 CGWD5-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-001 CGWD5-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-002 CGWD6-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-002 CGWD6-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-002 CGWD6-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-003 CGWD9-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-003 CGWD9-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-003 CGWD9-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-004 CGWDA-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A

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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,DAM ER

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010808

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E040125-004 CGWDA-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-004 CGWDA-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-005 CGWDC-1-0W	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-005 CGWDC-1-0X	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-005 CGWDC-1-10	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-006 CGWDD-1-0V	5/01/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-006 CGWDD-1-0W	5/01/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-006 CGWDD-1-0X	5/01/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-007 CGWDE-1-0W	5/02/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-007 CGWDE-1-0X	5/02/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056

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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,DAM ER

NEED ANALYTICAL REPORT BY
5/24/98
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR010808

CLIENT CODE: 99266 PROJECT MANAGER: John D. Reynolds

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H8E040125-007 CGWDE-1-10	5/02/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-008 CGWDG-1-0V	5/02/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-008 CGWDG-1-0W	5/02/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-008 CGWDG-1-0X	5/02/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-009 CGWDH-1-0W	5/02/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-009 CGWDH-1-0X	5/02/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-009 CGWDH-1-10	5/02/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056
H8E040125-010 CGWDJ-1-0V	5/02/98	pH (9045) - Non-Aqueous (PH_SOL) METHOD: 9045A
H8E040125-010 CGWDJ-1-0W	5/02/98	Nitrate as N (9056, Ion Chromatography) (ICNO3_S) METHOD: 9056
H8E040125-010 CGWDJ-1-0X	5/02/98	Sulfate (9056, Ion Chromatography) (ICSO4_S) METHOD: 9056

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE EXPRESS DATE: 5/04/98

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: _____ 5/04/98 12:49:11
Quanterra Inc - Tampa FL
5910 Breckenridge Parkway Suite H
Tampa FL 33610,DAM ER

RELINQUISHED BY: Diane Hange DATE/TIME: 5/4/98 3:00

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: Carol McNulty DATE/TIME: 5/5/98

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

Quanterra Incorporated
5815 Middlebrook Pike
Knoxville, Tennessee 37921

423 588-6401 Telephone
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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 773206

PBOW-Acid Areas
SDG #: PB021

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 16, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB021 : H8E050127

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGWWM	001	6610	05/03/98	11:10
CGWX8	002	6611	05/03/98	11:10
CGWXJ	003	6620	05/03/98	14:00

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

PB021 : H8E050128

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGX05	001	6910	05/03/98	14:25
CGX08	002	6911	05/03/98	14:25
CGX0A	003	6920	05/03/98	14:50
CGX0D	004	6921	05/03/98	14:50
CGX0M	005	9005	05/03/98	10:30

NOTE(S):

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

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB021

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E080000-159	L	05/05/98	DUPLICATE CHECK
H8E010202-001	D	05/01/98	LAB MS/MSD
H8E010202-001	S	05/01/98	LAB MS/MSD
H8E050127-001		05/05/98	6610
H8E050127-001	D	05/05/98	6610
H8E050127-001	S	05/05/98	6610
H8E050127-002		05/05/98	6611
H8E050127-003		05/05/98	6620
H8E050128-001		05/05/98	6910
H8E050128-002		05/05/98	6911
H8E050128-003		05/05/98	6920
H8E050128-004		05/05/98	6921
H8E050128-005		05/05/98	9005
H8E050132-004	D	05/05/98	LAB MS/MSD
H8E050132-004	S	05/05/98	LAB MS/MSD
H8E050132-004	X	05/05/98	INTRA-LAB QC
H8E070000-131	L	04/30/98	DUPLICATE CHECK
H8E070000-134	L	05/02/98	DUPLICATE CHECK

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

PB021

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard recoveries for samples 6920, 6610, 6611 and 6620 were outside control limits. However, re-analysis of the samples resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. Both sets of data are reported.

PCBs

The batch matrix spike duplicate recoveries and RPDs were outside control limits. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike duplicate results are, therefore, attributed to matrix effects.

Metals

The batch matrix spike/matrix spike duplicate recoveries were outside control limits for some analytes. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects. In addition, results outside of limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level. The affected analytes are flagged appropriately on the matrix spike/matrix spike duplicate report.

Wet Chemistry

Per client request, all samples were analyzed for nitrate outside of holding time criteria.

The batch matrix spike/matrix spike duplicate recovery for sulfate was outside control limits. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The batch matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

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Quanterra Incorporated, Knoxville Laboratory maintains the following certifications, approvals and accreditations: California ELAP Cert. #2100, Florida DOH SDWA Cert. #87293, Florida DOH Environmental Water Cert. #E87177, Florida DEP CompQAP #880566, Hawaii DOH, Kentucky DEP Lab ID #90101, Maryland DHMH Cert. #277, Massachusetts Cert. #M-TN009, New Mexico ED, New York DOH Lab #10781, North Carolina DEHNR Cert. #64, North Dakota DOHCL Cert. #R-134, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Tennessee DEC UST, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, AALA Cert. #486.01, US Army Corps of Engineers, Naval Facilities Engineering Service Center, and USDA Soil Permit #S-3929. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Quanterra
Environmental Services

PROJECT NARRATIVE

COMMENTS:

PCBs

Samples 6610, and 6611 were reported with elevated reporting limits for Aroclor 1254 due to the overlapping pattern of the predominant Aroclor 1660.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

GC/MS Volatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.0 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

GC/MS Volatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6610

GC/MS Volatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.5 J,B**	**6.0**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

GC/MS Volatiles

Lot-Sample #...: H8E050127-001 Work Order #...: CGWWM202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC/MS Volatiles

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.4 J,B**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	**1.7 J**	**5.9**	**ug/kg**
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC/MS Volatiles

Lot-Sample #...: H8E050127-002 Work Order #...: CGWX8102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6611

GC/MS Volatiles

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.9 J,B**	**5.9**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	5.9	ug/kg
1,1-Dichloroethene	ND	5.9	ug/kg
1,1-Dichloroethane	ND	5.9	ug/kg
1,2-Dichloroethene (total)	ND	5.9	ug/kg
Chloroform	ND	5.9	ug/kg
1,2-Dichloroethane	ND	5.9	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	5.9	ug/kg
Carbon tetrachloride	ND	5.9	ug/kg
Bromodichloromethane	ND	5.9	ug/kg
1,2-Dichloropropane	ND	5.9	ug/kg
cis-1,3-Dichloropropene	ND	5.9	ug/kg
Trichloroethene	ND	5.9	ug/kg
Dibromochloromethane	ND	5.9	ug/kg
1,1,2-Trichloroethane	ND	5.9	ug/kg
Benzene	ND	5.9	ug/kg
trans-1,3-Dichloropropene	ND	5.9	ug/kg
Bromoform	ND	5.9	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	5.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
Toluene	**2.2 J**	**5.9**	**ug/kg**
Chlorobenzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Styrene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(64 - 135)
Toluene-d8	112	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC/MS Volatiles

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6620

GC/MS Volatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.0 J,B**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(64 - 135)
Toluene-d8	103	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

GC/MS Volatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6620

GC/MS Volatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.4 J,B**	**6.3**	**ug/kg**
Acetone	**10 J**	**25**	**ug/kg**
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	112	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

GC/MS Volatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6910

GC/MS Volatiles

Lot-Sample #...: H8E050128-001 **Work Order #...:** CGX05102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	**1.6 J**	**6.0**	**ug/kg**
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

GC/MS Volatiles

Lot-Sample #...: H8E050128-001 Work Order #...: CGX05102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

GC/MS Volatiles

Lot-Sample #...: H8E050128-002 **Work Order #...:** CGX08202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

GC/MS Volatiles

Lot-Sample #...: H8E050128-002 **Work Order #...:** CGX08202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Volatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.0 J**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	**3.2 J**	**6.1**	**ug/kg**
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(64 - 135)
Toluene-d8	113	(77 - 124)
4-Bromofluorobenzene	120	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Volatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Volatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**6.1 J,B**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	**7.5**	**6.1**	**ug/kg**
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(64 - 135)
Toluene-d8	114	(77 - 124)
4-Bromofluorobenzene	114	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Volatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6921

GC/MS Volatiles

Lot-Sample #...: H8E050128-004 **Work Order #...:** CGX0D101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**1.2 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	**0.99 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	**0.35 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	99	(67 - 128)
1,2-Dichloroethane-d4	89	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6921

GC/MS Volatiles

Lot-Sample #...: H8E050128-004 Work Order #...: CGX0D101 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: 9005

GC/MS Volatiles

Lot-Sample #...: H8E050128-005 **Work Order #...:** CGX0M101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
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	**0.85 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	**0.35 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	91	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	89	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9005

GC/MS Volatiles

Lot-Sample #...: H8E050128-005 Work Order #...: CGX0M101 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 #...: PB021 **Work Order #...:** CH0JP101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-131

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127131
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	**0.59 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	96	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	94	(71 - 119)
4-Bromofluorobenzene	91	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH0JP101 **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 #...: PB021 **Work Order #...:** CH0JP102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-131 CH0JP103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127131
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(70 - 137)**			**SW846 8260A**
	98	**(70 - 137)**	**2.2**	**(0-12)**	**SW846 8260A**
Benzene	**99**	**(76 - 123)**			**SW846 8260A**
	97	**(76 - 123)**	**2.5**	**(0-10)**	**SW846 8260A**
Trichloroethene	**107**	**(75 - 129)**			**SW846 8260A**
	104	**(75 - 129)**	**2.3**	**(0-14)**	**SW846 8260A**
Toluene	**99**	**(77 - 115)**			**SW846 8260A**
	99	**(77 - 115)**	**0.010**	**(0-11)**	**SW846 8260A**
Chlorobenzene	**101**	**(78 - 116)**			**SW846 8260A**
	98	**(78 - 116)**	**2.6**	**(0-12)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(67 - 128)
	96	(67 - 128)
1,2-Dichloroethane-d4	95	(67 - 128)
	93	(67 - 128)
Toluene-d8	94	(71 - 119)
	95	(71 - 119)
4-Bromofluorobenzene	92	(76 - 111)
	90	(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 #...: PB021 **Work Order #...:** CH12Q101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-243

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127243
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH12Q101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH12Q102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-243
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**99**	**(67 - 137)**	**SW846 8260A**
Benzene	**99**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**98**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**99**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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 #...: PB021 **Work Order #...:** CH31X101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-104

Prep Date.....: 05/11/98
Analysis Date..: 05/11/98 **Prep Batch #...:** 8131104
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH31X101 **Matrix.....:** SOLID

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 #...: PB021 **Work Order #...:** CH31X102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-104
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**105**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**103**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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 #...: PB021 **Work Order #...:** CH3NH101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E120000-109

Prep Date.....: 05/12/98
Analysis Date..: 05/12/98 **Prep Batch #...:** 8132109
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	92	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH3NH101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH3NH102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E120000-109
Prep Date.....: 05/12/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8132109
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(67 - 137)**	**SW846 8260A**
Benzene	**95**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**101**	**(68 - 126)**	**SW846 8260A**
Toluene	**98**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**98**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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 #...: PB021 **Work Order #...:** CH6E7101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E150000-106

Prep Date.....: 05/15/98
Analysis Date..: 05/15/98 **Prep Batch #...:** 8135106
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	91	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH6E7101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB021 **Work Order #...:** CH6E7102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E150000-106
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**95**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**99**	**(68 - 126)**	**SW846 8260A**
Toluene	**96**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**96**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	96	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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: 6610

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	**61 J**	**400**	**ug/kg**
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	**240 J**	**400**	**ug/kg**
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	**870**	**400**	**ug/kg**
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**5600**	**400**	**ug/kg**
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**96 J**	**400**	**ug/kg**
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	**87 J**	**400**	**ug/kg**
Pyrene	**83 J**	**400**	**ug/kg**
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**59 J**	**400**	**ug/kg**
Chrysene	**91 J**	**400**	**ug/kg**
bis(2-Ethylhexyl) phthalate	**120 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	**68 J**	**400**	**ug/kg**
Benzo(k)fluoranthene	**82 J**	**400**	**ug/kg**
Benzo(a)pyrene	**63 J**	**400**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**43 J**	**400**	**ug/kg**
Dibenz(a,h)anthracene	**24 J**	**400**	**ug/kg**
Benzo(ghi)perylene	**41 J**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	59	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	86	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	**45 J**	**390**	**ug/kg**
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	**170 J**	**390**	**ug/kg**
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	**400**	**390**	**ug/kg**
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**2600**	**390**	**ug/kg**
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	**20 J**	**390**	**ug/kg**
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	**200 J**	**390**	**ug/kg**
Anthracene	**48 J**	**390**	**ug/kg**
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	**240 J**	**390**	**ug/kg**
Pyrene	**210 J**	**390**	**ug/kg**
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	**130 J**	**390**	**ug/kg**
Chrysene	**140 J**	**390**	**ug/kg**
bis(2-Ethylhexyl) phthalate	**61 J**	**390**	**ug/kg**
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	**130 J**	**390**	**ug/kg**
Benzo(k)fluoranthene	**110 J**	**390**	**ug/kg**
Benzo(a)pyrene	**120 J**	**390**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**55 J**	**390**	**ug/kg**
Dibenz(a,h)anthracene	**31 J**	**390**	**ug/kg**
Benzo(ghi)perylene	**54 J**	**390**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(25 - 121)
Phenol-d5	73	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
2-Fluorobiphenyl	79	(30 - 115)
2,4,6-Tribromophenol	83	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	**60 J**	**420**	**ug/kg**
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

GC/MS Semivolatiles

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	**1300**	**420**	**ug/kg**
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	ND	420	ug/kg
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	54	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	77	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-001 **Work Order #...:** CGX05103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-001 **Work Order #...:** CGX05103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**68 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	59	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	87	(19 - 122)
Terphenyl-d14	78	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-002 **Work Order #...:** CGX08103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	390	ug/kg
bis(2-Chloroethyl) ether	ND	390	ug/kg
2-Chlorophenol	ND	390	ug/kg
1,3-Dichlorobenzene	ND	390	ug/kg
1,4-Dichlorobenzene	ND	390	ug/kg
1,2-Dichlorobenzene	ND	390	ug/kg
2-Methylphenol	ND	390	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	390	ug/kg
4-Methylphenol	ND	390	ug/kg
N-Nitrosodi-n-propylamine	ND	390	ug/kg
Hexachloroethane	ND	390	ug/kg
Nitrobenzene	ND	390	ug/kg
Isophorone	ND	390	ug/kg
2-Nitrophenol	ND	390	ug/kg
2,4-Dimethylphenol	ND	390	ug/kg
bis(2-Chloroethoxy) methane	ND	390	ug/kg
2,4-Dichlorophenol	ND	390	ug/kg
1,2,4-Trichlorobenzene	ND	390	ug/kg
Naphthalene	ND	390	ug/kg
4-Chloroaniline	ND	390	ug/kg
Hexachlorobutadiene	ND	390	ug/kg
4-Chloro-3-methylphenol	ND	390	ug/kg
2-Methylnaphthalene	ND	390	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	390	ug/kg
2,4,5-Trichlorophenol	ND	390	ug/kg
2-Chloronaphthalene	ND	390	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	390	ug/kg
Acenaphthylene	ND	390	ug/kg
2,6-Dinitrotoluene	ND	390	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	390	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	390	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-002 **Work Order #...:** CGX08103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	390	ug/kg
Diethyl phthalate	ND	390	ug/kg
4-Chlorophenyl phenyl ether	ND	390	ug/kg
Fluorene	ND	390	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	390	ug/kg
4-Bromophenyl phenyl ether	ND	390	ug/kg
Hexachlorobenzene	ND	390	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	390	ug/kg
Anthracene	ND	390	ug/kg
Carbazole	ND	390	ug/kg
Di-n-butyl phthalate	ND	390	ug/kg
Fluoranthene	ND	390	ug/kg
Pyrene	ND	390	ug/kg
Butyl benzyl phthalate	ND	390	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	390	ug/kg
Chrysene	ND	390	ug/kg
bis(2-Ethylhexyl) phthalate	ND	390	ug/kg
Di-n-octyl phthalate	ND	390	ug/kg
Benzo(b)fluoranthene	ND	390	ug/kg
Benzo(k)fluoranthene	ND	390	ug/kg
Benzo(a)pyrene	ND	390	ug/kg
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg
Dibenz(a,h)anthracene	ND	390	ug/kg
Benzo(ghi)perylene	ND	390	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
Phenol-d5	75	(24 - 113)
Nitrobenzene-d5	60	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	99	(19 - 122)
Terphenyl-d14	85	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-003 **Work Order #...:** CGX0A103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(25 - 121)
Phenol-d5	77	(24 - 113)
Nitrobenzene-d5	65	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	99	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6921

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-004 **Work Order #...:** CGX0D102 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8126126
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: 6921

GC/MS Semivolatiles

Lot-Sample #...: H8E050128-004 **Work Order #...:** CGX0D102 **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	69	(27 - 106)
Phenol-d5	83	(27 - 111)
Nitrobenzene-d5	98	(37 - 115)
2-Fluorobiphenyl	87	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	84	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB021 **Work Order #...:** CGXD6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E060000-126

Prep Date.....: 05/06/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8126126
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 #...: PB021 **Work Order #...:** CGXD6101 **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	84	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	89	(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 #...: PB021 **Work Order #...:** CGVJ7105-MS **Matrix.....:** WATER
MS Lot-Sample #: H8E010202-001 CGVJ7106-MSD
Date Sampled...: 04/29/98 **Date Received..:** 05/01/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8126126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**82**	**(16 - 116)**			**SW846 8270B**
	89	**(16 - 116)**	**7.5**	**(0-20)**	**SW846 8270B**
2-Chlorophenol	**82**	**(31 - 109)**			**SW846 8270B**
	88	**(31 - 109)**	**7.0**	**(0-20)**	**SW846 8270B**
1,4-Dichlorobenzene	**70**	**(40 - 100)**			**SW846 8270B**
	70	**(40 - 100)**	**0.87**	**(0-26)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**120**	**(22 - 125)**			**SW846 8270B**
	113	**(22 - 125)**	**5.5**	**(0-27)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(43 - 100)**			**SW846 8270B**
	79	**(43 - 100)**	**0.44**	**(0-29)**	**SW846 8270B**
4-Chloro-3-methylphenol	**87**	**(48 - 110)**			**SW846 8270B**
	90	**(48 - 110)**	**3.4**	**(0-20)**	**SW846 8270B**
Acenaphthene	**79**	**(54 - 113)**			**SW846 8270B**
	81	**(54 - 113)**	**2.0**	**(0-20)**	**SW846 8270B**
4-Nitrophenol	**113**	**(13 - 135)**			**SW846 8270B**
	118	**(13 - 135)**	**4.4**	**(0-21)**	**SW846 8270B**
2,4-Dinitrotoluene	**88**	**(59 - 120)**			**SW846 8270B**
	87	**(59 - 120)**	**0.36**	**(0-20)**	**SW846 8270B**
Pentachlorophenol	**95**	**(20 - 133)**			**SW846 8270B**
	94	**(20 - 133)**	**0.96**	**(0-31)**	**SW846 8270B**
Pyrene	**85**	**(46 - 122)**			**SW846 8270B**
	85	**(46 - 122)**	**0.48**	**(0-26)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
	69	(27 - 106)
Phenol-d5	81	(27 - 111)
	86	(27 - 111)
Nitrobenzene-d5	95	(37 - 115)
	102	(37 - 115)
2-Fluorobiphenyl	84	(43 - 116)
	86	(43 - 116)
2,4,6-Tribromophenol	95	(27 - 127)
	94	(27 - 127)
Terphenyl-d14	82	(33 - 141)
	72	(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 #...: PB021 **Work Order #...:** CGXD6102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E060000-126
Prep Date.....: 05/06/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8126126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**83**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**82**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**108**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**75**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**92**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**80**	**(20 - 123)**	**SW846 8270B**
Pyrene	**87**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	84	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	87	(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 #...: PB021 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-121

Prep Date.....: 05/06/98
Analysis Date..: 05/15/98 **Prep Batch #...:** 8126121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB021 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	63	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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 #...: PB021 **Work Order #...:** CGXCX102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-121
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**68**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**75**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**71**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**83**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**66**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**77**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**45**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**86**	**(17 - 117)**	**SW846 8270B**
Pyrene	**78**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	64	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
Terphenyl-d14	83	(20 - 138)

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: 6610

GC Semivolatiles

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 06/14/98
Prep Batch #...: 8127125
Dilution Factor: 20
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	800	ug/kg
Aroclor 1221	ND	800	ug/kg
Aroclor 1232	ND	800	ug/kg
Aroclor 1242	ND	800	ug/kg
Aroclor 1248	ND	800	ug/kg
Aroclor 1254	ND G	2300	ug/kg
Aroclor 1260	**3200**	**800**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 134)
Decachlorobiphenyl	NC,DIL	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

GC Semivolatiles

Lot-Sample #...:	H8E050127-002	**Work Order #...:**	CGWX8104	**Matrix.....:**	SOLID
Date Sampled...:	05/03/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	06/14/98		
Prep Batch #...:	8127125				
Dilution Factor:	3				
% Moisture.....:	15	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	120	ug/kg
Aroclor 1221	ND	120	ug/kg
Aroclor 1232	ND	120	ug/kg
Aroclor 1242	ND	120	ug/kg
Aroclor 1248	ND	120	ug/kg
Aroclor 1254	ND G	840	ug/kg
Aroclor 1260	**1100 AP**	**120**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	181 *	(40 - 134)
Decachlorobiphenyl	134	(38 - 174)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

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

AP Altered Pattern

IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

GC Semivolatiles

Lot-Sample #...:	H8E050128-001	**Work Order #...:**	CGX05104	**Matrix.....:**	SOLID
Date Sampled...:	05/03/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	05/22/98		
Prep Batch #...:	8127125				
Dilution Factor:	1				
% Moisture.....:	17	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	110	(40 - 134)
Decachlorobiphenyl	109	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

GC Semivolatiles

Lot-Sample #...: H8E050128-002 **Work Order #...:** CGX08104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	134	(40 - 134)
Decachlorobiphenyl	136	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6921

GC Semivolatiles

Lot-Sample #...: H8E050128-004 **Work Order #...:** CGX0D10U **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
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	92	(30 - 133)
Decachlorobiphenyl	88	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB021 **Work Order #...:** CH0JG101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-125

Prep Date.....: 05/07/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8127125
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)

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.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB021 **Work Order #...:** CH0K1101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-134

Prep Date.....: 05/07/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8127134
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	92	(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 #...: PB021 **Work Order #...:** CGX1V109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050132-004 CGX1V10A-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1 **% Moisture.....:** 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**103**	**(52 - 144)**			**SW846 8081**
	148 a,p	**(52 - 144)**	**35**	**(0-25)**	**SW846 8081**
Aroclor 1260	**92**	**(45 - 143)**			**SW846 8081**
	131 p	**(45 - 143)**	**36**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(40 - 134)
	158 *	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)
	153	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB021 **Work Order #...:** CH0JG102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-125
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**115**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**112**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(40 - 134)
Decachlorobiphenyl	131	(38 - 174)

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 #...: PB021 **Work Order #...:** CH0K1102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-134 CH0K1103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(70 - 158)**			**SW846 8081**
	109	**(70 - 158)**	**0.36**	**(0-25)**	**SW846 8081**
Aroclor 1260	**97**	**(70 - 158)**			**SW846 8081**
	98	**(70 - 158)**	**0.89**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
	103	(30 - 133)
Decachlorobiphenyl	103	(30 - 139)
	104	(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: 6610

HPLC

Lot-Sample #...: H8E050127-001 **Work Order #...:** CGWWM111 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8134188
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**0.67**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

HPLC

Lot-Sample #...: H8E050127-002 **Work Order #...:** CGWX8105 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8134188
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**1.1**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

HPLC

Lot-Sample #...: H8E050127-003 **Work Order #...:** CGWXJ104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8134188
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**1.6**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)

METHOD BLANK REPORT

HPLC

Client Lot #...: PB021 **Work Order #...:** CH5M3101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E140000-188

Prep Date.....: 05/14/98
Analysis Date..: 05/19/98 **Prep Batch #...:** 8134188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
2,6-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
Nitrobenzene	ND	0.25	mg/kg	SW846 8330
1,3,5-Trinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4,6-Trinitrotoluene	ND	0.25	mg/kg	SW846 8330
HMX	ND	0.50	mg/kg	SW846 8330
RDX	ND	0.50	mg/kg	SW846 8330
Tetryl	ND	0.65	mg/kg	SW846 8330
2-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
3-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.25	mg/kg	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: PB021 **Work Order #...:** CH5M3102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E140000-188
Prep Date.....: 05/14/98 **Analysis Date..:** 05/19/98
Prep Batch #...: 8134188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**86**	**(65 - 117)**	**SW846 8330**
RDX	**97**	**(75 - 124)**	**SW846 8330**
1,3,5-Trinitrobenzene	**105**	**(78 - 124)**	**SW846 8330**
1,3-Dinitrobenzene	**99**	**(75 - 123)**	**SW846 8330**
Tetryl	**84**	**(40 - 125)**	**SW846 8330**
Nitrobenzene	**97**	**(76 - 122)**	**SW846 8330**
2,4,6-Trinitrotoluene	**88**	**(71 - 132)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**97**	**(75 - 127)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(75 - 122)**	**SW846 8330**
2,4-Dinitrotoluene	**97**	**(75 - 124)**	**SW846 8330**
2-Nitrotoluene	**97**	**(77 - 125)**	**SW846 8330**
3-Nitrotoluene	**97**	**(78 - 121)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**95**	**(76 - 120)**	**SW846 8330**
4-Nitrotoluene	**96**	**(76 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(72 - 129)

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: 6610

TOTAL Metals

Lot-Sample #...: H8E050127-001 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGWWM10V
		Dilution Factor: 1		Analysis Time..: 06:42		
Prep Batch #...: 8141148						
Aluminum	7310	24.1	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM105
		Dilution Factor: 1		Analysis Time..: 16:48		
Arsenic	8.2	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGWWM10Q
		Dilution Factor: 1		Analysis Time..: 18:56		
Lead	46.9	0.36	mg/kg	SW846 6010A	05/21-06/08/98	CGWWM10R
		Dilution Factor: 1		Analysis Time..: 18:56		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM106
		Dilution Factor: 1		Analysis Time..: 16:48		
Barium	62.0	24.1	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM107
		Dilution Factor: 1		Analysis Time..: 16:48		
Selenium	0.69	0.60	mg/kg	SW846 6010A	05/21-06/08/98	CGWWM10T
		Dilution Factor: 1		Analysis Time..: 18:56		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM108
		Dilution Factor: 1		Analysis Time..: 16:48		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGWWM10U
		Dilution Factor: 1		Analysis Time..: 18:56		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM109
		Dilution Factor: 1		Analysis Time..: 16:48		
Calcium	39300	602	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10A
		Dilution Factor: 1		Analysis Time..: 16:48		
Chromium	12.8	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10C
		Dilution Factor: 1		Analysis Time..: 16:48		
Cobalt	11.7	6.0	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10D
		Dilution Factor: 1		Analysis Time..: 16:48		
Copper	19.1	3.0	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10E
		Dilution Factor: 1		Analysis Time..: 16:48		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

TOTAL Metals

Lot-Sample #...: H8E050127-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18600	12.0	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10F
		Dilution Factor: 1		Analysis Time..: 16:48		
Magnesium	8550	602	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10G
		Dilution Factor: 1		Analysis Time..: 16:48		
Manganese	353	1.8	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10H
		Dilution Factor: 1		Analysis Time..: 16:48		
Nickel	21.0	4.8	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10J
		Dilution Factor: 1		Analysis Time..: 16:48		
Potassium	1030	602	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10K
		Dilution Factor: 1		Analysis Time..: 16:48		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10L
		Dilution Factor: 1		Analysis Time..: 16:48		
Sodium	ND	602	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10M
		Dilution Factor: 1		Analysis Time..: 16:48		
Vanadium	23.0	6.0	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10N
		Dilution Factor: 1		Analysis Time..: 16:48		
Zinc	74.6	2.4	mg/kg	SW846 6010A	05/21-06/06/98	CGWWM10P
		Dilution Factor: 1		Analysis Time..: 16:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

TOTAL Metals

Lot-Sample #...: H8E050128-001 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX0510V
		Dilution Factor: 1		Analysis Time..: 06:58		
Prep Batch #...: 8141148						
Aluminum	**6400**	**24.1**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX05105**
		Dilution Factor: 1		Analysis Time..: 17:28		
Arsenic	**7.0**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX0510Q**
		Dilution Factor: 1		Analysis Time..: 19:30		
Lead	**6.5**	**0.36**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX0510R**
		Dilution Factor: 1		Analysis Time..: 19:30		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX05106
		Dilution Factor: 1		Analysis Time..: 17:28		
Barium	**36.7**	**24.1**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX05107**
		Dilution Factor: 1		Analysis Time..: 17:28		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/21-06/08/98	CGX0510T
		Dilution Factor: 1		Analysis Time..: 19:30		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGX05108
		Dilution Factor: 1		Analysis Time..: 17:28		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX0510U
		Dilution Factor: 1		Analysis Time..: 19:30		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGX05109
		Dilution Factor: 1		Analysis Time..: 17:28		
Calcium	**51300**	**602**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0510A**
		Dilution Factor: 1		Analysis Time..: 17:28		
Chromium	**10.2**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0510C**
		Dilution Factor: 1		Analysis Time..: 17:28		
Cobalt	**8.6**	**6.0**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0510D**
		Dilution Factor: 1		Analysis Time..: 17:28		
Copper	**12.4**	**3.0**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0510E**
		Dilution Factor: 1		Analysis Time..: 17:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6910

TOTAL Metals

Lot-Sample #...: H8E050128-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	13400	12.0	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510F
		Dilution Factor: 1		Analysis Time..: 17:28		
Magnesium	13900	602	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510G
		Dilution Factor: 1		Analysis Time..: 17:28		
Manganese	298	1.8	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510H
		Dilution Factor: 1		Analysis Time..: 17:28		
Nickel	13.6	4.8	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510J
		Dilution Factor: 1		Analysis Time..: 17:28		
Potassium	953	602	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510K
		Dilution Factor: 1		Analysis Time..: 17:28		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510L
		Dilution Factor: 1		Analysis Time..: 17:28		
Sodium	ND	602	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510M
		Dilution Factor: 1		Analysis Time..: 17:28		
Vanadium	21.1	6.0	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510N
		Dilution Factor: 1		Analysis Time..: 17:28		
Zinc	38.0	2.4	mg/kg	SW846 6010A	05/21-06/06/98	CGX0510P
		Dilution Factor: 1		Analysis Time..: 17:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

TOTAL Metals

Lot-Sample #...: H8E050127-002 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/21-05/22/98	CGWX810W
		Dilution Factor: 1		Analysis Time..: 06:49		
Prep Batch #...: 8141148						
Aluminum	**9040**	**23.6**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX8106**
		Dilution Factor: 1		Analysis Time..: 17:18		
Arsenic	**8.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGWX810R**
		Dilution Factor: 1		Analysis Time..: 19:19		
Lead	**22.2**	**0.35**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGWX810T**
		Dilution Factor: 1		Analysis Time..: 19:19		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/21-06/06/98	CGWX8107
		Dilution Factor: 1		Analysis Time..: 17:18		
Barium	**62.1**	**23.6**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX8108**
		Dilution Factor: 1		Analysis Time..: 17:18		
Selenium	ND	0.59	mg/kg	SW846 6010A	05/21-06/08/98	CGWX810U
		Dilution Factor: 1		Analysis Time..: 19:19		
Beryllium	ND	0.59	mg/kg	SW846 6010A	05/21-06/06/98	CGWX8109
		Dilution Factor: 1		Analysis Time..: 17:18		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGWX810V
		Dilution Factor: 1		Analysis Time..: 19:19		
Cadmium	ND	0.59	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810A
		Dilution Factor: 1		Analysis Time..: 17:18		
Calcium	**29400**	**591**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX810C**
		Dilution Factor: 1		Analysis Time..: 17:18		
Chromium	**15.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX810D**
		Dilution Factor: 1		Analysis Time..: 17:18		
Cobalt	**14.6**	**5.9**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX810E**
		Dilution Factor: 1		Analysis Time..: 17:18		
Copper	**25.6**	**3.0**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGWX810F**
		Dilution Factor: 1		Analysis Time..: 17:18		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

TOTAL Metals

Lot-Sample #...: H8E050127-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	20500	11.8	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810G
		Dilution Factor: 1		Analysis Time..: 17:18		
Magnesium	9590	591	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810H
		Dilution Factor: 1		Analysis Time..: 17:18		
Manganese	442	1.8	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810J
		Dilution Factor: 1		Analysis Time..: 17:18		
Nickel	25.7	4.7	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810K
		Dilution Factor: 1		Analysis Time..: 17:18		
Potassium	1230	591	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810L
		Dilution Factor: 1		Analysis Time..: 17:18		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810M
		Dilution Factor: 1		Analysis Time..: 17:18		
Sodium	ND	591	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810N
		Dilution Factor: 1		Analysis Time..: 17:18		
Vanadium	26.3	5.9	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810P
		Dilution Factor: 1		Analysis Time..: 17:18		
Zinc	92.8	2.4	mg/kg	SW846 6010A	05/21-06/06/98	CGWX810Q
		Dilution Factor: 1		Analysis Time..: 17:18		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

TOTAL Metals

Lot-Sample #...: H8E050128-002 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.039	mg/kg	SW846 7471A	05/21-05/22/98	CGX0810V
		Dilution Factor: 1		Analysis Time..: 07:01		
Prep Batch #...: 8141148						
Aluminum	**9640**	**23.8**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX08105**
		Dilution Factor: 1		Analysis Time..: 17:33		
Arsenic	**7.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX0810Q**
		Dilution Factor: 1		Analysis Time..: 19:35		
Lead	**8.3**	**0.36**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX0810R**
		Dilution Factor: 1		Analysis Time..: 19:35		
Antimony	ND	7.1	mg/kg	SW846 6010A	05/21-06/06/98	CGX08106
		Dilution Factor: 1		Analysis Time..: 17:33		
Barium	**56.8**	**23.8**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX08107**
		Dilution Factor: 1		Analysis Time..: 17:33		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/21-06/08/98	CGX0810T
		Dilution Factor: 1		Analysis Time..: 19:35		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGX08108
		Dilution Factor: 1		Analysis Time..: 17:33		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX0810U
		Dilution Factor: 1		Analysis Time..: 19:35		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/21-06/06/98	CGX08109
		Dilution Factor: 1		Analysis Time..: 17:33		
Calcium	**22300**	**595**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0810A**
		Dilution Factor: 1		Analysis Time..: 17:33		
Chromium	**15.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0810C**
		Dilution Factor: 1		Analysis Time..: 17:33		
Cobalt	**12.9**	**6.0**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0810D**
		Dilution Factor: 1		Analysis Time..: 17:33		
Copper	**17.7**	**3.0**	**mg/kg**	**SW846 6010A**	**05/21-06/06/98**	**CGX0810E**
		Dilution Factor: 1		Analysis Time..: 17:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6911

TOTAL Metals

Lot-Sample #...: H8E050128-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	19400	11.9	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810F
		Dilution Factor: 1		Analysis Time..: 17:33		
Magnesium	8500	595	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810G
		Dilution Factor: 1		Analysis Time..: 17:33		
Manganese	418	1.8	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810H
		Dilution Factor: 1		Analysis Time..: 17:33		
Nickel	20.8	4.8	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810J
		Dilution Factor: 1		Analysis Time..: 17:33		
Potassium	1110	595	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810K
		Dilution Factor: 1		Analysis Time..: 17:33		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810L
		Dilution Factor: 1		Analysis Time..: 17:33		
Sodium	ND	595	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810M
		Dilution Factor: 1		Analysis Time..: 17:33		
Vanadium	27.0	6.0	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810N
		Dilution Factor: 1		Analysis Time..: 17:33		
Zinc	48.8	2.4	mg/kg	SW846 6010A	05/21-06/06/98	CGX0810P
		Dilution Factor: 1		Analysis Time..: 17:33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

TOTAL Metals

Lot-Sample #...: H8E050127-003 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.042	mg/kg	SW846 7471A	05/21-05/22/98	CGWXJ10V
		Dilution Factor: 1		Analysis Time..: 06:56		
Prep Batch #...: 8141148						
Aluminum	10700	25.4	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ105
		Dilution Factor: 1		Analysis Time..: 17:23		
Arsenic	4.0	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGWXJ10Q
		Dilution Factor: 1		Analysis Time..: 19:24		
Lead	12.6	0.38	mg/kg	SW846 6010A	05/21-06/08/98	CGWXJ10R
		Dilution Factor: 1		Analysis Time..: 19:24		
Antimony	ND	7.6	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ106
		Dilution Factor: 1		Analysis Time..: 17:23		
Barium	98.5	25.4	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ107
		Dilution Factor: 1		Analysis Time..: 17:23		
Selenium	1.6	0.63	mg/kg	SW846 6010A	05/21-06/08/98	CGWXJ10T
		Dilution Factor: 1		Analysis Time..: 19:24		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ108
		Dilution Factor: 1		Analysis Time..: 17:23		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGWXJ10U
		Dilution Factor: 1		Analysis Time..: 19:24		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ109
		Dilution Factor: 1		Analysis Time..: 17:23		
Calcium	59900	635	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10A
		Dilution Factor: 1		Analysis Time..: 17:23		
Chromium	17.6	1.3	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10C
		Dilution Factor: 1		Analysis Time..: 17:23		
Cobalt	11.4	6.3	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10D
		Dilution Factor: 1		Analysis Time..: 17:23		
Copper	25.9	3.2	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10E
		Dilution Factor: 1		Analysis Time..: 17:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

TOTAL Metals

Lot-Sample #...: H8E050127-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	17000	12.7	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10F
		Dilution Factor: 1		Analysis Time..: 17:23		
Magnesium	19900	635	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10G
		Dilution Factor: 1		Analysis Time..: 17:23		
Manganese	286	1.9	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10H
		Dilution Factor: 1		Analysis Time..: 17:23		
Nickel	23.8	5.1	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10J
		Dilution Factor: 1		Analysis Time..: 17:23		
Potassium	2550	635	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10K
		Dilution Factor: 1		Analysis Time..: 17:23		
Silver	ND	1.3	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10L
		Dilution Factor: 1		Analysis Time..: 17:23		
Sodium	ND	635	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10M
		Dilution Factor: 1		Analysis Time..: 17:23		
Vanadium	29.6	6.3	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10N
		Dilution Factor: 1		Analysis Time..: 17:23		
Zinc	59.9	2.5	mg/kg	SW846 6010A	05/21-06/06/98	CGWXJ10P
		Dilution Factor: 1		Analysis Time..: 17:23		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

TOTAL Metals

Lot-Sample #...: H8E050128-003 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140184						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX0A10U
		Dilution Factor: 1		Analysis Time..: 07:03		
Prep Batch #...: 8141148						
Aluminum	9370	24.5	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A104
		Dilution Factor: 1		Analysis Time..: 17:38		
Arsenic	5.1	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX0A10P
		Dilution Factor: 1		Analysis Time..: 19:52		
Lead	9.6	0.37	mg/kg	SW846 6010A	05/21-06/08/98	CGX0A10Q
		Dilution Factor: 1		Analysis Time..: 19:52		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A105
		Dilution Factor: 1		Analysis Time..: 17:38		
Barium	92.3	24.5	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A106
		Dilution Factor: 1		Analysis Time..: 17:38		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/21-06/08/98	CGX0A10R
		Dilution Factor: 1		Analysis Time..: 19:52		
Beryllium	0.65	0.61	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A107
		Dilution Factor: 1		Analysis Time..: 17:38		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX0A10T
		Dilution Factor: 1		Analysis Time..: 19:52		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A108
		Dilution Factor: 1		Analysis Time..: 17:38		
Calcium	3940	613	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A109
		Dilution Factor: 1		Analysis Time..: 17:38		
Chromium	14.3	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10A
		Dilution Factor: 1		Analysis Time..: 17:38		
Cobalt	12.6	6.1	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10C
		Dilution Factor: 1		Analysis Time..: 17:38		
Copper	16.5	3.1	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10D
		Dilution Factor: 1		Analysis Time..: 17:38		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6920

TOTAL Metals

Lot-Sample #...: H8E050128-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	18600	12.3	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10E
		Dilution Factor: 1		Analysis Time..: 17:38		
Magnesium	2660	613	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10F
		Dilution Factor: 1		Analysis Time..: 17:38		
Manganese	392	1.8	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10G
		Dilution Factor: 1		Analysis Time..: 17:38		
Nickel	18.5	4.9	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10H
		Dilution Factor: 1		Analysis Time..: 17:38		
Potassium	699	613	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10J
		Dilution Factor: 1		Analysis Time..: 17:38		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10K
		Dilution Factor: 1		Analysis Time..: 17:38		
Sodium	ND	613	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10L
		Dilution Factor: 1		Analysis Time..: 17:38		
Vanadium	21.2	6.1	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10M
		Dilution Factor: 1		Analysis Time..: 17:38		
Zinc	53.8	2.5	mg/kg	SW846 6010A	05/21-06/06/98	CGX0A10N
		Dilution Factor: 1		Analysis Time..: 17:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6921

TOTAL Metals

Lot-Sample #...: H8E050128-004 Matrix.....: WATER
Date Sampled...: 05/03/98 Date Received..: 05/05/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGX0D103
		Dilution Factor: 1		Analysis Time..: 18:35		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGX0D10N
		Dilution Factor: 1		Analysis Time..: 19:40		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGX0D10P
		Dilution Factor: 1		Analysis Time..: 19:40		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D104
		Dilution Factor: 1		Analysis Time..: 18:35		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGX0D105
		Dilution Factor: 1		Analysis Time..: 18:35		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGX0D10Q
		Dilution Factor: 1		Analysis Time..: 19:40		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D106
		Dilution Factor: 1		Analysis Time..: 18:35		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGX0D10R
		Dilution Factor: 1		Analysis Time..: 19:40		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D107
		Dilution Factor: 1		Analysis Time..: 18:35		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX0D108
		Dilution Factor: 1		Analysis Time..: 18:35		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D109
		Dilution Factor: 1		Analysis Time..: 18:35		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10A
		Dilution Factor: 1		Analysis Time..: 18:35		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10C
		Dilution Factor: 1		Analysis Time..: 18:35		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10D
		Dilution Factor: 1		Analysis Time..: 18:35		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6921

TOTAL Metals

Lot-Sample #...: H8E050128-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10E
		Dilution Factor: 1		Analysis Time..: 18:35		
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10F
		Dilution Factor: 1		Analysis Time..: 18:35		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10G
		Dilution Factor: 1		Analysis Time..: 18:35		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10H
		Dilution Factor: 1		Analysis Time..: 18:35		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10J
		Dilution Factor: 1		Analysis Time..: 18:35		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10K
		Dilution Factor: 1		Analysis Time..: 18:35		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10L
		Dilution Factor: 1		Analysis Time..: 18:35		
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CGX0D10M
		Dilution Factor: 1		Analysis Time..: 18:35		

Prep Batch #...: 8138109

Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGX0D10T
		Dilution Factor: 1		Analysis Time..: 09:50		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E200000-184 **Prep Batch #...:** 8140184						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/21-05/22/98	CHA77101
		Dilution Factor: 1				
		Analysis Time..: 06:37				
MB Lot-Sample #: H8E210000-148 **Prep Batch #...:** 8141148						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10K
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/21-06/08/98	CHC7D10F
		Dilution Factor: 1				
		Analysis Time..: 15:24				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10L
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Lead	ND	0.30	mg/kg	SW846 6010A	05/21-06/08/98	CHC7D10G
		Dilution Factor: 1				
		Analysis Time..: 15:24				
Barium	ND	20.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10M
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/21-06/08/98	CHC7D10H
		Dilution Factor: 1				
		Analysis Time..: 15:24				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10N
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/21-06/08/98	CHC7D10J
		Dilution Factor: 1				
		Analysis Time..: 15:24				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10P
		Dilution Factor: 1				
		Analysis Time..: 12:47				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	500	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D101
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D102
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D103
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Copper	ND	2.5	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D104
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Iron	ND	10.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D105
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Magnesium	ND	500	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D106
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D107
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D108
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Potassium	ND	500	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D109
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Silver	ND	1.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10A
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Sodium	ND	500	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10C
		Dilution Factor: 1				
		Analysis Time..: 12:47				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10D
		Dilution Factor: 1				
		Analysis Time..: 12:47				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	2.0	mg/kg	SW846 6010A	05/21-06/06/98	CHC7D10E

Dilution Factor: 1
Analysis Time..: 12:47

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E150000-135 Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210H
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210D
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210J
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210E
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210K
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210F
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210L
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210G
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210M
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H210N
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210P
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2101
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2102
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CH6H2103
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2104
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2105
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2106
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2107
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2108
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2109
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210A
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210C
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E180000-109 **Prep Batch #...:** 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CH8AX101
		Dilution Factor: 1				
		Analysis Time..: 09:38				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E050127-001 **Prep Batch #...:** 8141148							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM128
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/06/98	CGWWM129
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Arsenic	81	(80 - 120)			SW846 6010A	05/21-06/08/98	CGWWM120
	82	(80 - 120)	0.37	(0-20)	SW846 6010A	05/21-06/08/98	CGWWM121
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Antimony	56 N	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM12A
	54 N	(80 - 120)	3.9	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM12C
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Lead	61 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGWWM122
	78 N	(80 - 120)	12	(0-20)	SW846 6010A	05/21-06/08/98	CGWWM123
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Barium	94	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM12D
	99	(80 - 120)	3.6	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM12E
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Selenium	79 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGWWM124
	79 N	(80 - 120)	0.18	(0-20)	SW846 6010A	05/21-06/08/98	CGWWM125
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Beryllium	108	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM12F
	109	(80 - 120)	0.62	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM12G
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Thallium	75 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGWWM126
	76 N	(80 - 120)	0.69	(0-20)	SW846 6010A	05/21-06/08/98	CGWWM127
		Dilution Factor: 1					
		Analysis Time..: 19:02					
Cadmium	98	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM12H
	95	(80 - 120)	2.8	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM12J
		Dilution Factor: 1					
		Analysis Time..: 16:53					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM114
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/06/98	CGWWM115
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Chromium	115	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM116
	124 N	(80 - 120)	5.3	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM117
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Cobalt	91	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM118
	91	(80 - 120)	0.18	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM119
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Copper	93	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11A
	106	(80 - 120)	7.9	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11C
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11E
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Magnesium	127 N	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11F
	117	(80 - 120)	3.7	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11G
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Manganese	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11H
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11J
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Nickel	92	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11K
	93	(80 - 120)	0.53	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11L
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Potassium	125 N	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11M
	137 N	(80 - 120)	7.8	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11N
		Dilution Factor: 1					
		Analysis Time..: 16:53					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	86	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11P
	89	(80 - 120)	3.0	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11Q
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Sodium	99	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11R
	99	(80 - 120)	0.43	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11T
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Vanadium	114	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11U
	119	(80 - 120)	3.1	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11V
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Zinc	93	(80 - 120)			SW846 6010A	05/21-06/06/98	CGWWM11W
	94	(80 - 120)	0.19	(0-20)	SW846 6010A	05/21-06/06/98	CGWWM11X
		Dilution Factor: 1					
		Analysis Time..: 16:53					

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.

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.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E200000-184 **Prep Batch #...:** 8140184					
Mercury	99	(80 - 120)	SW846 7471A	05/21-05/22/98	CHA77102
		Dilution Factor: 1			
		Analysis Time..: 06:39			
LCS Lot-Sample#: H8E210000-148 **Prep Batch #...:** 8141148					
Calcium	96	(84 - 117)	SW846 6010A	05/21-06/06/98	CHC7D10Q
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Chromium	98	(87 - 118)	SW846 6010A	05/21-06/06/98	CHC7D10R
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Cobalt	93	(87 - 110)	SW846 6010A	05/21-06/06/98	CHC7D10T
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Copper	90	(86 - 111)	SW846 6010A	05/21-06/06/98	CHC7D10U
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Iron	92	(87 - 120)	SW846 6010A	05/21-06/06/98	CHC7D10V
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Magnesium	96	(86 - 119)	SW846 6010A	05/21-06/06/98	CHC7D10W
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Manganese	93	(89 - 112)	SW846 6010A	05/21-06/06/98	CHC7D10X
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Aluminum	101	(89 - 119)	SW846 6010A	05/21-06/06/98	CHC7D11A
		Dilution Factor: 1			
		Analysis Time..: 12:52			
Antimony	92	(86 - 119)	SW846 6010A	05/21-06/06/98	CHC7D11C
		Dilution Factor: 1			
		Analysis Time..: 12:52			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	93	(88 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D11D
Beryllium	100	(80 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D11E
Cadmium	92	(80 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D11F
Nickel	95	(88 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D110
Potassium	94	(83 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D111
Silver	90	(80 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D112
Sodium	97	(85 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D113
Vanadium	95	(89 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D114
Zinc	96	(89 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:52	05/21-06/06/98	CHC7D115
Arsenic	87	(83 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 15:30	05/21-06/08/98	CHC7D116
Lead	90	(84 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 15:30	05/21-06/08/98	CHC7D117

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	84	(80 - 110)	SW846 6010A	05/21-06/08/98	CHC7D118
		Dilution Factor: 1			
		Analysis Time..: 15:30			
Thallium	84	(83 - 110)	SW846 6010A	05/21-06/08/98	CHC7D119
		Dilution Factor: 1			
		Analysis Time..: 15:30			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E150000-135 **Prep Batch #...:** 8135135					
Cobalt	101	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210Q
Copper	96	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210R
Iron	94	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210T
Magnesium	107	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210U
Manganese	102	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210V
Nickel	104	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210W
Potassium	106	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210X
Barium	99	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211A
Beryllium	108	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211C
Cadmium	112	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211D

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	104	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211E
Chromium	106	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211F
Silver	103	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2110
Sodium	103	(82 - 114)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2111
Vanadium	102	(88 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2112
Zinc	107	(85 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2113
Arsenic	94	(82 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2114
Lead	93	(81 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2115
Selenium	97	(81 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2116
Thallium	87	(80 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2117
Aluminum	103	(83 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2118

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB021 **Matrix.....:** WATER

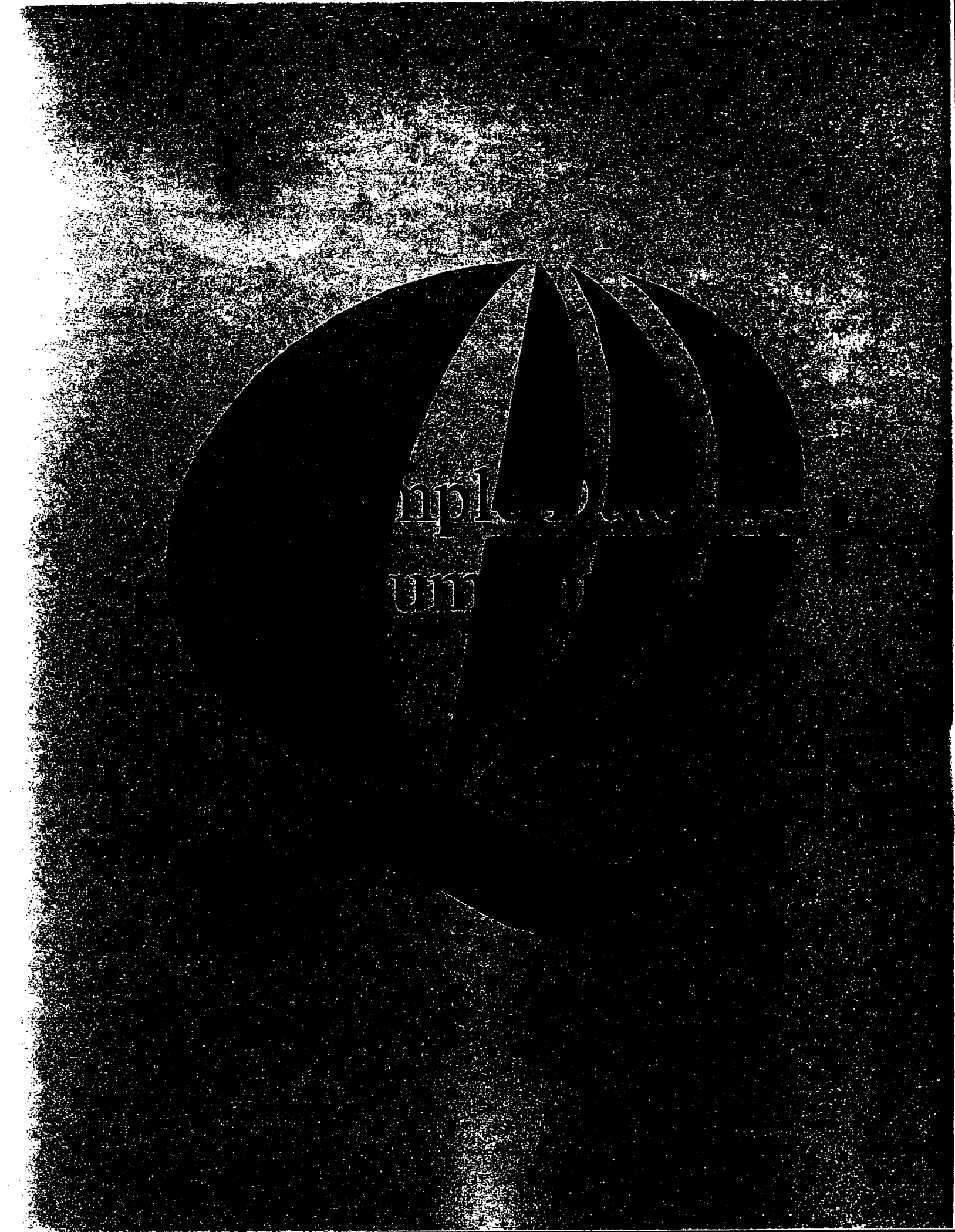
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	102	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H2119
		Dilution Factor: 1			
		Analysis Time..: 17:21			

LCS Lot-Sample#: H8E180000-109 **Prep Batch #...:** 8138109

Mercury	106	(80 - 120)	SW846 7470A	05/18-05/19/98	CH8AX102
		Dilution Factor: 1			
		Analysis Time..: 09:40			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 6610

General Chemistry

Lot-Sample #...: H8E050127-001 Work Order #...: CGWWM Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	17.0	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142196
		Dilution Factor: 1				
Sulfate	8670	241	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6611

General Chemistry

Lot-Sample #...: H8E050127-002 Work Order #...: CGWX8 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.4	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	5.9	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	15.4	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142196
		Dilution Factor: 1				
Sulfate	8530	236	mg/kg	SW846 9056	05/08/98	8128220
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6620

General Chemistry

Lot-Sample #...: H8E050127-003 Work Order #...: CGWXJ Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.6	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	21.2	0.10	%	MCAWW 160.3 MOD	05/21-05/22/98	8142196
		Dilution Factor: 1				
Sulfate	432	25.4	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8E050127 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH23F101		MB Lot-Sample #:	B8E080000-218	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Sulfate		Work Order #: CH23W101		MB Lot-Sample #:	B8E080000-219	
	ND	10.0	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				
Sulfate		Work Order #: CH244101		MB Lot-Sample #:	B8E080000-220	
	ND	10.0	mg/kg	SW846 9056	05/08/98	8128220
		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 #...: PB021 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#:	CGX1V12V-MS/CGX1V12W-MSD			MS Lot-Sample #:	H8E050132-004
	103	(80 - 120)			SW846 9056	05/06-05/07/98	8128218
	102	(80 - 120)	0.92	(0-20)	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1					
Sulfate		WO#:	CGX1V130-MS/CGX1V131-MSD			MS Lot-Sample #:	H8E050132-004
	74 N,MSC	(80 - 120)			SW846 9056	05/06-05/07/98	8128219
	74 N,MSC	(80 - 120)	0.31	(0-20)	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1					

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.

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 #...: H8E050127 **Work Order #...:** CGX1V-SMP CGX1V-DUP **Matrix.....:** SOLID

Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

% Moisture.....: 19

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E050132-004	
	7.1	7.8	No Units	9.0	(0-20)	SW846 9045A	05/06/98	8128159

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: PB021 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CH1P9101-LCS/CH1P9102-LCSD				LCS Lot-Sample#: B8E080000-159	
	99	(99 - 101)			SW846 9045A	05/06/98	8128159
	100	(99 - 101)	0.47	(0-20)	SW846 9045A	05/06/98	8128159
		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 #...: PB021 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH23F102		LCS Lot-Sample#: B8E080000-218	
	92	(89 - 110)	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1			
Sulfate		Work Order #: CH23W102		LCS Lot-Sample#: B8E080000-219	
	95	(80 - 120)	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1			
Sulfate		Work Order #: CH244102		LCS Lot-Sample#: B8E080000-220	
	95	(80 - 120)	SW846 9056	05/08/98	8128220
		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# PB021

*	DATE REC'D	LOT#	CLIENT ID	VOC	SVOC	PCB	PH	TOTAL	ANIONS	EXP
				8260A	8270B	8081	9045	6010A	9056	8330
1	5/5/98	H8E050127	6610	X	X	X	T	X	T	X
2			6611	X	X	X	T	X	T	X
3			6620	X	X		T	X	T	X
4	5/5/98	H8E050128	6910	X	X	X		X		
5			6911	X	X	X		X		
6			6920	X	X			X		
7			6921	X	X	X		X		
8			9005	X						
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

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

MATRIX: SOIL
ANALYTICAL DUE: 5-28-98
REPORT DUE: 6-2-98
CLOSED?__YES__

6/8/9810:14 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of ____

CLIENT: I.T. KNX PROJECT: Plum Brook Lot No.: H8E050127

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: Ryan Blanquart DATE: 5/5/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			✓
b. Informed Login associates of special instructions? Sub amount → Tape			✓
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : _____ DATE: 5/5/98

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: IT.KNX PROJECT: PBOW Lot No.: H8E050127

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: 5/6/98

QA016R7.doc, 01/29/98

Quote # 23131

~~H8D05~~ H8E050127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050498QESK

Project Number: 773206

Samples Shipment Date: 04-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/801624850498

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: 5/4/98 Time: 1700

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: 5/5/98 Time: 9:00

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

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

Comments:

custody seals intact
received at 3°C @ 5/5/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6610	PBOW-98-SO-AA3-SB01-6610-(0001)	03-MAY-98	11:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6610	PBOW-98-SO-AA3-SB01-6610-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6610	PBOW-98-SO-AA3-SB01-6610-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6610	PBOW-98-SO-AA3-SB01-6610-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6610	PBOW-98-SO-AA3-SB01-6610-(0001)	03-MAY-98	11:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6611	PBOW-98-SO-AA3-SB01-6611-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H8E 050127

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBAA3-050498QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6611	PBOW-98-SO-AA3-SB01-6611-(0001)	03-MAY-98	11:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6611	PBOW-98-SO-AA3-SB01-6611-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6611	PBOW-98-SO-AA3-SB01-6611-(0001)	03-MAY-98	11:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6611	PBOW-98-SO-AA3-SB01-6611-(0001)	03-MAY-98	11:10	4 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6620	PBOW-98-SO-AA3-SB01-6620-(0910)	03-MAY-98	14:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6620	PBOW-98-SO-AA3-SB01-6620-(0910)	03-MAY-98	14:00	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6620	PBOW-98-SO-AA3-SB01-6620-(0910)	03-MAY-98	14:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6620	PBOW-98-SO-AA3-SB01-6620-(0910)	03-MAY-98	14:00	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6620	PBOW-98-SO-AA3-SB01-6620-(0910)	03-MAY-98	14:00	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

QUANTERRA KNOXVILLE LABORATORY

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of ____

CLIENT: I.T. KNX PROJECT: Plum Brook Lot No.: H8E050128

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: 5/5/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ?			✓

2. If custody seals were missing/not intact, was client notified? ✓

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

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
6921	Pest/PCB's	8	*Process for PCB only

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

☑ Noted actions in comments section above.

☐ No action necessary; process as is.

Project Manager: [signature] Date: 5/6/98

QA026R5.doc, 03/03/98

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): Waters Listed for Pest/PCBs and Quote only setup for PCBs. COC is wrong, Client only wants PCBs

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. Kny PROJECT: PBOW Lot No.: H8E050128

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: 5/6/98

QA016R7.doc, 01/29/98

Quote# 23131

H8E050128

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBMNT-050498QES

Project Number: 773206

Samples Shipment Date: 04-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/801624850498

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: 5/4/98 Time: 1700

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

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

1. Received By (Signature/Affiliation) Diane Flange Date: 5/5/98 Time: 9:00

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

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

Comments:

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

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6910	PBOW-98-SO-MNT-SB01-6910-(0001)	03-MAY-98	14:25	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6910	PBOW-98-SO-MNT-SB01-6910-(0001)	03-MAY-98	14:25	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6910	PBOW-98-SO-MNT-SB01-6910-(0001)	03-MAY-98	14:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6911	PBOW-98-SO-MNT-SB01-6911-(0001)	03-MAY-98	14:25	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6911	PBOW-98-SO-MNT-SB01-6911-(0001)	03-MAY-98	14:25	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6911	PBOW-98-SO-MNT-SB01-6911-(0001)	03-MAY-98	14:25	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6920	PBOW-98-SO-MNT-SB01-6920-(0910)	03-MAY-98	14:50	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

H8E050128

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBMNT-050498QES

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6920	PBOW-98-SO-MNT-SB01-6920-(0910)	03-MAY-98	14:50	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6920	PBOW-98-SO-MNT-SB01-6920-(0910)	03-MAY-98	14:50	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6921	PBOW-98-EA-MWT-6921-(0000)	03-MAY-98	14:50	1 L Amb. Glass	2	NONE EXCEPT COOL TO	TCL Pesticide/PCBs by SW-846 8081	N		
6921	PBOW-98-EA-MWT-6921-(0000)	03-MAY-98	14:50	1 L HDPE	1	HNO3 <PH 2	TAL Metals by SW-846 6010A/7470 in water	N		pH<2
6921	PBOW-98-EA-MWT-6921-(0000)	03-MAY-98	14:50	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
6921	PBOW-98-EA-MWT-6921-(0000)	03-MAY-98	14:50	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
9005	PBOW-98-TB-MWT-9005-(0000)	03-MAY-98	10:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		

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Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 773206

PBOW-Acid Areas
SDG #: PB022

Kim Napier

IT Corporation - Knoxville

QUANTERRA INCORPORATED

John D. Reynolds
Project Manager

June 16, 1998

Quanterra
Environmental Services

SAMPLE SUMMARY

PB022 : H8E050132

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGX16	001	6990	05/03/98	09:10
CGX1L	002	6991	05/03/98	09:10
CGX1Q	003	7000	05/03/98	09:45
CGX1V	004	7010	05/02/98	17:20
CGX22	005	7020	05/02/98	17:45
CGX24	006	7030	05/02/98	16:45
CGX27	007	7040	05/02/98	17:05
CGX28	008	7050	05/02/98	14:55
CGX2A	009	7060	05/02/98	15:05
CGX2D	010	7070	05/02/98	14:15
CGX2E	011	7080	05/02/98	14:40
CGX2H	012	7090	05/02/98	13:40
CGX2P	013	7100	05/02/98	13:55
CGX2Q	014	7001	05/03/98	10:15
CGX32	015	9004	05/03/98	10:30

NOTE(S):

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

(Continued on next page)

Quanterra
Environmental Services

SAMPLE SUMMARY

PB022 : H8E050156

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CGXAF	001	6970	05/03/98	15:30
CGXAH	002	6971	05/03/98	15:30
CGXAJ	003	6980	05/03/98	16:00
CGXAL	004	6981	05/03/98	16:45
CGXAM	005	9006	05/03/98	10:30

NOTE(S) :

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

Quanterra
Environmental Services

SDG SAMPLE SUMMARY REPORT

PB022

IT CORPORATION - KNOXVILLE 00099266

LOT-SAMPLE #	QC	RECEIPT DATE	CLIENT SAMPLE ID
B8E080000-159	L	05/05/98	DUPLICATE CHECK
H8E050132-001		05/05/98	6990
H8E050132-002		05/05/98	6991
H8E050132-003		05/05/98	7000
H8E050132-004		05/05/98	7010
H8E050132-004	D	05/05/98	7010
H8E050132-004	S	05/05/98	7010
H8E050132-004	X	05/05/98	7010 DUP
H8E050132-005		05/05/98	7020
H8E050132-006		05/05/98	7030
H8E050132-007		05/05/98	7040
H8E050132-008		05/05/98	7050
H8E050132-009		05/05/98	7060
H8E050132-010		05/05/98	7070
H8E050132-011		05/05/98	7080
H8E050132-012		05/05/98	7090
H8E050132-013		05/05/98	7100
H8E050132-014		05/05/98	7001
H8E050132-015		05/05/98	9004
H8E050156-001		05/05/98	6970
H8E050156-002		05/05/98	6971
H8E050156-003		05/05/98	6980
H8E050156-003	D	05/05/98	6980
H8E050156-003	S	05/05/98	6980
H8E050156-004		05/05/98	6981
H8E050156-005		05/05/98	9006
H8E070000-134	L	05/02/98	DUPLICATE CHECK
H8E110000-125	L	05/05/98	DUPLICATE CHECK

Quanterra Environmental Services

ANALYTICAL METHODS SUMMARY

PB022

PARAMETER	ANALYTICAL METHOD
pH Non-Aqueous	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate as N	SW846 9056
Nitroaromatics and Nitramines by HPLC	SW846 8330
Organochlorine Pesticides and PCBs	SW846 8081
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270B
Sulfate	SW846 9056
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

Internal standard and/or surrogate recoveries for samples 6971, 6990, 6991, 7000, 7040, 7060, 7050 and 7100 were outside control limits. However, re-analysis of the samples resulted in similar results, indicating that a sample matrix effect is responsible for the internal standard and/or surrogate criteria not being met. Both sets of data are reported.

Internal standard recoveries for sample 6980 and 7010 were outside control limits. Since the matrix spike/matrix spike duplicate for this sample demonstrated similar surrogate recoveries, the results are attributed to sample matrix effects.

PCBs

The matrix spike recoveries and RPDs for sample 6980 and 7010 were outside control limits for Aroclors 1016 and 1260. 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.

Metals

The matrix spike/matrix spike duplicate recoveries and RPDs for samples 7010 and 6980 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.

Laboratory control sample CHA48 recoveries were outside control limits for thallium. As per client request, the associated samples were not re-analyzed and the data has been submitted as is.

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PROJECT NARRATIVE

Wet Chemistry

Per client request, all samples were analyzed for nitrate outside of holding time criteria.

The matrix spike/matrix spike duplicate recoveries for sample 7010 were outside control limits for sulfate. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

COMMENTS:

PCBs

Samples 6970, 6971, and 6980 were reported with elevated reporting limits for Aroclor 1254 due to the overlapping pattern of the predominant Aroclor 1660.

Explosives

Sample 7001 and the associated QA samples were spiked with twice the normal surrogate and spike amount due to laboratory error. The data is unaffected.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

GC/MS Volatiles

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	117	(64 - 135)
Toluene-d8	113	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

GC/MS Volatiles

Lot-Sample #...: H8E050132-001 Work Order #...: CGX16102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

GC/MS Volatiles

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.2 J**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

GC/MS Volatiles

Lot-Sample #...: H8E050132-001 Work Order #...: CGX16202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Volatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	ND	6.3	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	120	(64 - 135)
Toluene-d8	114	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Volatiles

Lot-Sample #...: H8E050132-002 Work Order #...: CGX1L102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Volatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**3.3 J**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	ND	6.3	ug/kg
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	101	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Volatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Volatiles

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**1.9 J**	**5.7**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Volatiles

Lot-Sample #...: H8E050132-003 Work Order #...: CGX1Q102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Volatiles

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**3.1 J**	**5.7**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.7	ug/kg
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	105	(77 - 124)
4-Bromofluorobenzene	106	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Volatiles

Lot-Sample #...: H8E050132-003 Work Order #...: CGX1Q202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

GC/MS Volatiles

Lot-Sample #...: H8E050132-004 **Work Order #...:** CGX1V102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.2	ug/kg
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	107	(77 - 124)
4-Bromofluorobenzene	110	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

GC/MS Volatiles

Lot-Sample #...: H8E050132-004 Work Order #...: CGX1V102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

GC/MS Volatiles

Lot-Sample #...: H8E050132-005 **Work Order #...:** CGX22202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.4 J**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	95	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

GC/MS Volatiles

Lot-Sample #...: H8E050132-005 Work Order #...: CGX22202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

GC/MS Volatiles

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.8 J**	**6.1**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
Toluene-d8	104	(77 - 124)
4-Bromofluorobenzene	104	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

GC/MS Volatiles

Lot-Sample #...: H8E050132-006 Work Order #...: CGX24202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Volatiles

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.8 J**	**6.0**	**ug/kg**
Acetone	**9.0 J**	**24**	**ug/kg**
Carbon disulfide	**1.6 J**	**6.0**	**ug/kg**
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(64 - 135)
Toluene-d8	116	(77 - 124)
4-Bromofluorobenzene	112	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Volatiles

Lot-Sample #...: H8E050132-007 Work Order #...: CGX27102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Volatiles

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**4.8 J**	**6.0**	**ug/kg**
Acetone	**18 J**	**24**	**ug/kg**
Carbon disulfide	**2.4 J**	**6.0**	**ug/kg**
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(64 - 135)
Toluene-d8	110	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Volatiles

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Volatiles

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.9 J**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(64 - 135)
Toluene-d8	108	(77 - 124)
4-Bromofluorobenzene	105	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Volatiles

Lot-Sample #...: H8E050132-008 Work Order #...: CGX28102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Volatiles

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.1 J**	**6.1**	**ug/kg**
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethene (total)	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Benzene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Volatiles

Lot-Sample #...: H8E050132-008 Work Order #...: CGX28202 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Volatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 25 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**7.1**	**6.6**	**ug/kg**
Acetone	ND	27	ug/kg
Carbon disulfide	ND	6.6	ug/kg
1,1-Dichloroethene	ND	6.6	ug/kg
1,1-Dichloroethane	ND	6.6	ug/kg
1,2-Dichloroethene (total)	ND	6.6	ug/kg
Chloroform	ND	6.6	ug/kg
1,2-Dichloroethane	ND	6.6	ug/kg
2-Butanone	ND	27	ug/kg
1,1,1-Trichloroethane	ND	6.6	ug/kg
Carbon tetrachloride	ND	6.6	ug/kg
Bromodichloromethane	ND	6.6	ug/kg
1,2-Dichloropropane	ND	6.6	ug/kg
cis-1,3-Dichloropropene	ND	6.6	ug/kg
Trichloroethene	ND	6.6	ug/kg
Dibromochloromethane	ND	6.6	ug/kg
1,1,2-Trichloroethane	ND	6.6	ug/kg
Benzene	ND	6.6	ug/kg
trans-1,3-Dichloropropene	ND	6.6	ug/kg
Bromoform	ND	6.6	ug/kg
4-Methyl-2-pentanone	ND	27	ug/kg
2-Hexanone	ND	27	ug/kg
Tetrachloroethene	ND	6.6	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.6	ug/kg
Toluene	**2.6 J**	**6.6**	**ug/kg**
Chlorobenzene	ND	6.6	ug/kg
Ethylbenzene	ND	6.6	ug/kg
Styrene	ND	6.6	ug/kg
Xylenes (total)	ND	6.6	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(64 - 135)
Toluene-d8	123	(77 - 124)
4-Bromofluorobenzene	124	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Volatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Volatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 25 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**9.9**	**6.6**	**ug/kg**
Acetone	ND	27	ug/kg
Carbon disulfide	ND	6.6	ug/kg
1,1-Dichloroethene	ND	6.6	ug/kg
1,1-Dichloroethane	ND	6.6	ug/kg
1,2-Dichloroethene (total)	ND	6.6	ug/kg
Chloroform	ND	6.6	ug/kg
1,2-Dichloroethane	ND	6.6	ug/kg
2-Butanone	ND	27	ug/kg
1,1,1-Trichloroethane	ND	6.6	ug/kg
Carbon tetrachloride	ND	6.6	ug/kg
Bromodichloromethane	ND	6.6	ug/kg
1,2-Dichloropropane	ND	6.6	ug/kg
cis-1,3-Dichloropropene	ND	6.6	ug/kg
Trichloroethene	ND	6.6	ug/kg
Dibromochloromethane	ND	6.6	ug/kg
1,1,2-Trichloroethane	ND	6.6	ug/kg
Benzene	ND	6.6	ug/kg
trans-1,3-Dichloropropene	ND	6.6	ug/kg
Bromoform	ND	6.6	ug/kg
4-Methyl-2-pentanone	ND	27	ug/kg
2-Hexanone	ND	27	ug/kg
Tetrachloroethene	ND	6.6	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.6	ug/kg
Toluene	**9.5**	**6.6**	**ug/kg**
Chlorobenzene	ND	6.6	ug/kg
Ethylbenzene	ND	6.6	ug/kg
Styrene	ND	6.6	ug/kg
Xylenes (total)	ND	6.6	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(64 - 135)
Toluene-d8	122	(77 - 124)
4-Bromofluorobenzene	129	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Volatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

GC/MS Volatiles

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	ND	6.0	ug/kg
Acetone	ND	24	ug/kg
Carbon disulfide	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethene (total)	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
2-Butanone	ND	24	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Benzene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	24	ug/kg
2-Hexanone	ND	24	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

GC/MS Volatiles

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

GC/MS Volatiles

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8134235
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.1 J**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

GC/MS Volatiles

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

GC/MS Volatiles

Lot-Sample #...: H8E050132-012 **Work Order #...:** CGX2H102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**1.9 J**	**5.8**	**ug/kg**
Acetone	ND	23	ug/kg
Carbon disulfide	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethene (total)	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Benzene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	102	(77 - 124)
4-Bromofluorobenzene	103	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

GC/MS Volatiles

Lot-Sample #...: H8E050132-012 Work Order #...: CGX2H102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Volatiles

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P102 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**2.2 J**	**5.7**	**ug/kg**
Acetone	**8.5 J**	**23**	**ug/kg**
Carbon disulfide	**4.4 J**	**5.7**	**ug/kg**
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(64 - 135)
Toluene-d8	126 *	(77 - 124)
4-Bromofluorobenzene	154 *	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Volatiles

Lot-Sample #...: H8E050132-013 Work Order #...: CGX2P102 Matrix.....: SOLID

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Volatiles

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P202 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	11	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**4.2 J**	**5.7**	**ug/kg**
Acetone	**26**	**23**	**ug/kg**
Carbon disulfide	**9.0**	**5.7**	**ug/kg**
1,1-Dichloroethene	ND	5.7	ug/kg
1,1-Dichloroethane	ND	5.7	ug/kg
1,2-Dichloroethene (total)	ND	5.7	ug/kg
Chloroform	ND	5.7	ug/kg
1,2-Dichloroethane	ND	5.7	ug/kg
2-Butanone	ND	23	ug/kg
1,1,1-Trichloroethane	ND	5.7	ug/kg
Carbon tetrachloride	ND	5.7	ug/kg
Bromodichloromethane	ND	5.7	ug/kg
1,2-Dichloropropane	ND	5.7	ug/kg
cis-1,3-Dichloropropene	ND	5.7	ug/kg
Trichloroethene	ND	5.7	ug/kg
Dibromochloromethane	ND	5.7	ug/kg
1,1,2-Trichloroethane	ND	5.7	ug/kg
Benzene	ND	5.7	ug/kg
trans-1,3-Dichloropropene	ND	5.7	ug/kg
Bromoform	ND	5.7	ug/kg
4-Methyl-2-pentanone	ND	23	ug/kg
2-Hexanone	ND	23	ug/kg
Tetrachloroethene	ND	5.7	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(64 - 135)
Toluene-d8	133 *	(77 - 124)
4-Bromofluorobenzene	144	(70 - 147)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Volatiles

Lot-Sample #...: H8E050132-013 Work Order #...: CGX2P202 Matrix.....: SOLID

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

GC/MS Volatiles

Lot-Sample #...: H8E050132-014 **Work Order #...:** CGX2Q101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	**0.64 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	**1.3**	**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	**0.38 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)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(67 - 128)
1,2-Dichloroethane-d4	99	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	89	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

GC/MS Volatiles

Lot-Sample #...: H8E050132-014 Work Order #...: CGX2Q101 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: 9004

GC/MS Volatiles

Lot-Sample #...: H8E050132-015 **Work Order #...:** CGX32101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	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	**0.86 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	**0.32 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	97	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	88	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 9004

GC/MS Volatiles

Lot-Sample #...: H8E050132-015 Work Order #...: CGX32101 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: 6970

GC/MS Volatiles

Lot-Sample #...: H8E050156-001 **Work Order #...:** CGXAF102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	12	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**2.1 J**	**6.2**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.2	ug/kg
1,1-Dichloroethene	ND	6.2	ug/kg
1,1-Dichloroethane	ND	6.2	ug/kg
1,2-Dichloroethene (total)	ND	6.2	ug/kg
Chloroform	ND	6.2	ug/kg
1,2-Dichloroethane	ND	6.2	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.2	ug/kg
Carbon tetrachloride	ND	6.2	ug/kg
Bromodichloromethane	ND	6.2	ug/kg
1,2-Dichloropropane	ND	6.2	ug/kg
cis-1,3-Dichloropropene	ND	6.2	ug/kg
Trichloroethene	ND	6.2	ug/kg
Dibromochloromethane	ND	6.2	ug/kg
1,1,2-Trichloroethane	ND	6.2	ug/kg
Benzene	ND	6.2	ug/kg
trans-1,3-Dichloropropene	ND	6.2	ug/kg
Bromoform	ND	6.2	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
Toluene	ND	6.2	ug/kg
Chlorobenzene	ND	6.2	ug/kg
Ethylbenzene	ND	6.2	ug/kg
Styrene	ND	6.2	ug/kg
Xylenes (total)	ND	6.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(64 - 135)
Toluene-d8	106	(77 - 124)
4-Bromofluorobenzene	109	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

GC/MS Volatiles

Lot-Sample #...: H8E050156-001 Work Order #...: CGXAF102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Volatiles

Lot-Sample #...: H8E050156-002 **Work Order #...:** CGXAH102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**2.2 J**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	**4.4 J**	**6.3**	**ug/kg**
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	115	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Volatiles

Lot-Sample #...: H8E050156-002 Work Order #...: CGXAH102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Volatiles

Lot-Sample #...: H8E050156-002 **Work Order #...:** CGXAH202 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	13	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**5.9 J,B**	**6.3**	**ug/kg**
Acetone	ND	25	ug/kg
Carbon disulfide	ND	6.3	ug/kg
1,1-Dichloroethene	ND	6.3	ug/kg
1,1-Dichloroethane	ND	6.3	ug/kg
1,2-Dichloroethene (total)	ND	6.3	ug/kg
Chloroform	ND	6.3	ug/kg
1,2-Dichloroethane	ND	6.3	ug/kg
2-Butanone	ND	25	ug/kg
1,1,1-Trichloroethane	ND	6.3	ug/kg
Carbon tetrachloride	ND	6.3	ug/kg
Bromodichloromethane	ND	6.3	ug/kg
1,2-Dichloropropane	ND	6.3	ug/kg
cis-1,3-Dichloropropene	ND	6.3	ug/kg
Trichloroethene	ND	6.3	ug/kg
Dibromochloromethane	ND	6.3	ug/kg
1,1,2-Trichloroethane	ND	6.3	ug/kg
Benzene	ND	6.3	ug/kg
trans-1,3-Dichloropropene	ND	6.3	ug/kg
Bromoform	ND	6.3	ug/kg
4-Methyl-2-pentanone	ND	25	ug/kg
2-Hexanone	ND	25	ug/kg
Tetrachloroethene	ND	6.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
Toluene	**6.6**	**6.3**	**ug/kg**
Chlorobenzene	ND	6.3	ug/kg
Ethylbenzene	ND	6.3	ug/kg
Styrene	ND	6.3	ug/kg
Xylenes (total)	ND	6.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(64 - 135)
Toluene-d8	109	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Volatiles

Lot-Sample #...: H8E050156-002 **Work Order #...:** CGXAH202 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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: 6980

GC/MS Volatiles

Lot-Sample #...: H8E050156-003 **Work Order #...:** CGXAJ102 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1
% Moisture.....: 27 **Method.....:** SW846 8260A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	14	ug/kg
Bromomethane	ND	14	ug/kg
Vinyl chloride	ND	14	ug/kg
Chloroethane	ND	14	ug/kg
Methylene chloride	**2.5 J**	**6.9**	**ug/kg**
Acetone	ND	27	ug/kg
Carbon disulfide	ND	6.9	ug/kg
1,1-Dichloroethene	ND	6.9	ug/kg
1,1-Dichloroethane	ND	6.9	ug/kg
1,2-Dichloroethene (total)	ND	6.9	ug/kg
Chloroform	ND	6.9	ug/kg
1,2-Dichloroethane	ND	6.9	ug/kg
2-Butanone	ND	27	ug/kg
1,1,1-Trichloroethane	ND	6.9	ug/kg
Carbon tetrachloride	ND	6.9	ug/kg
Bromodichloromethane	ND	6.9	ug/kg
1,2-Dichloropropane	ND	6.9	ug/kg
cis-1,3-Dichloropropene	ND	6.9	ug/kg
Trichloroethene	ND	6.9	ug/kg
Dibromochloromethane	ND	6.9	ug/kg
1,1,2-Trichloroethane	ND	6.9	ug/kg
Benzene	ND	6.9	ug/kg
trans-1,3-Dichloropropene	ND	6.9	ug/kg
Bromoform	ND	6.9	ug/kg
4-Methyl-2-pentanone	ND	27	ug/kg
2-Hexanone	ND	27	ug/kg
Tetrachloroethene	ND	6.9	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.9	ug/kg
Toluene	**2.1 J**	**6.9**	**ug/kg**
Chlorobenzene	ND	6.9	ug/kg
Ethylbenzene	ND	6.9	ug/kg
Styrene	ND	6.9	ug/kg
Xylenes (total)	ND	6.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(64 - 135)
Toluene-d8	111	(77 - 124)
4-Bromofluorobenzene	113	(70 - 147)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

GC/MS Volatiles

Lot-Sample #...: H8E050156-003 Work Order #...: CGXAJ102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

GC/MS Volatiles

Lot-Sample #...: H8E050156-004 **Work Order #...:** CGXAL101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	**1.1**	**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	**0.19 J**	**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	93	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

GC/MS Volatiles

Lot-Sample #...: H8E050156-004 **Work Order #...:** CGXAL101 **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: 9006

GC/MS Volatiles

Lot-Sample #...: H8E050156-005 **Work Order #...:** CGXAM101 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
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	**0.48 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	**0.93 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	**0.36 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	99	(67 - 128)
1,2-Dichloroethane-d4	93	(67 - 128)
Toluene-d8	91	(71 - 119)
4-Bromofluorobenzene	89	(76 - 111)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 9006

GC/MS Volatiles

Lot-Sample #...: H8E050156-005 Work Order #...: CGXAM101 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 #...: PB022 **Work Order #...:** CH12Q101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-243

Prep Date.....: 05/07/98
Analysis Date..: 05/07/98 **Prep Batch #...:** 8127243
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	98	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB022 Work Order #...: CH12Q101 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CGXAJ103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050156-003 CGXAJ104-MSD
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1 **% Moisture.....:** 27

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**118**	**(64 - 146)**			**SW846 8260A**
	110	**(64 - 146)**	**6.5**	**(0-18)**	**SW846 8260A**
Trichloroethene	**100**	**(41 - 151)**			**SW846 8260A**
	95	**(41 - 151)**	**4.5**	**(0-28)**	**SW846 8260A**
Benzene	**107**	**(74 - 122)**			**SW846 8260A**
	101	**(74 - 122)**	**6.2**	**(0-15)**	**SW846 8260A**
Toluene	**115**	**(69 - 132)**			**SW846 8260A**
	110	**(69 - 132)**	**4.5**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**102**	**(67 - 121)**			**SW846 8260A**
	97	**(67 - 121)**	**4.1**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(64 - 135)
	103	(64 - 135)
Toluene-d8	115	(77 - 124)
	114	(77 - 124)
4-Bromofluorobenzene	114	(70 - 147)
	107	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH12Q102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-243
Prep Date.....: 05/07/98 **Analysis Date..:** 05/07/98
Prep Batch #...: 8127243
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**99**	**(67 - 137)**	**SW846 8260A**
Benzene	**99**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**98**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**99**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	101	(77 - 124)
4-Bromofluorobenzene	102	(70 - 147)

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 #...: PB022 **Work Order #...:** CH31X101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-104

Prep Date.....: 05/11/98
Analysis Date..: 05/11/98 **Prep Batch #...:** 8131104
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	97	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH31X101 **Matrix.....:** SOLID

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 #...: PB022 **Work Order #...:** CH31X102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-104
Prep Date.....: 05/11/98 **Analysis Date..:** 05/11/98
Prep Batch #...: 8131104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**102**	**(68 - 126)**	**SW846 8260A**
Toluene	**105**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**103**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	99	(77 - 124)
4-Bromofluorobenzene	97	(70 - 147)

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 #...: PB022 **Work Order #...:** CH5HE101 **Matrix.....:** WATER
MB Lot-Sample #: H8E140000-135

Prep Date.....: 05/14/98
Analysis Date..: 05/14/98 **Prep Batch #...:** 8134135
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	**0.61 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	98	(67 - 128)
1,2-Dichloroethane-d4	92	(67 - 128)
Toluene-d8	92	(71 - 119)
4-Bromofluorobenzene	90	(76 - 111)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH5HE101 **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 #...: PB022 **Work Order #...:** CH5HE102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E140000-135
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134135
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(70 - 137)**	**SW846 8260A**
Benzene	**95**	**(76 - 123)**	**SW846 8260A**
Trichloroethene	**96**	**(75 - 129)**	**SW846 8260A**
Toluene	**92**	**(77 - 115)**	**SW846 8260A**
Chlorobenzene	**94**	**(78 - 116)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(67 - 128)
1,2-Dichloroethane-d4	98	(67 - 128)
Toluene-d8	93	(71 - 119)
4-Bromofluorobenzene	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 #...: PB022 **Work Order #...:** CH60K101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E140000-235

Prep Date.....: 05/14/98
Analysis Date..: 05/14/98 **Prep Batch #...:** 8134235
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(64 - 135)
Toluene-d8	94	(77 - 124)
4-Bromofluorobenzene	90	(70 - 147)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CGX1V103-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050132-004 CGX1V104-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134235
Dilution Factor: 1 **% Moisture.....:** 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(64 - 146)**			**SW846 8260A**
	91	**(64 - 146)**	**7.0**	**(0-18)**	**SW846 8260A**
Trichloroethene	**91**	**(41 - 151)**			**SW846 8260A**
	90	**(41 - 151)**	**1.8**	**(0-28)**	**SW846 8260A**
Benzene	**95**	**(74 - 122)**			**SW846 8260A**
	91	**(74 - 122)**	**4.1**	**(0-15)**	**SW846 8260A**
Toluene	**101**	**(69 - 132)**			**SW846 8260A**
	96	**(69 - 132)**	**5.0**	**(0-24)**	**SW846 8260A**
Chlorobenzene	**92**	**(67 - 121)**			**SW846 8260A**
	91	**(67 - 121)**	**1.4**	**(0-18)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(64 - 135)
	103	(64 - 135)
Toluene-d8	107	(77 - 124)
	103	(77 - 124)
4-Bromofluorobenzene	108	(70 - 147)
	106	(70 - 147)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH60K102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E140000-235
Prep Date.....: 05/14/98 **Analysis Date..:** 05/14/98
Prep Batch #...: 8134235
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**90**	**(67 - 137)**	**SW846 8260A**
Benzene	**91**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**91**	**(68 - 126)**	**SW846 8260A**
Toluene	**91**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**90**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(64 - 135)
Toluene-d8	98	(77 - 124)
4-Bromofluorobenzene	96	(70 - 147)

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 #...: PB022 **Work Order #...:** CH6E7101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E150000-106

Prep Date.....: 05/15/98
Analysis Date..: 05/15/98 **Prep Batch #...:** 8135106
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(64 - 135)
Toluene-d8	95	(77 - 124)
4-Bromofluorobenzene	91	(70 - 147)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH6E7101 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: PB022 **Work Order #...:** CH6E7102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E150000-106
Prep Date.....: 05/15/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8135106
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**95**	**(67 - 137)**	**SW846 8260A**
Benzene	**101**	**(78 - 120)**	**SW846 8260A**
Trichloroethene	**99**	**(68 - 126)**	**SW846 8260A**
Toluene	**96**	**(73 - 118)**	**SW846 8260A**
Chlorobenzene	**96**	**(72 - 118)**	**SW846 8260A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(64 - 135)
Toluene-d8	96	(77 - 124)
4-Bromofluorobenzene	94	(70 - 147)

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: 6990

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**67 J**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	79	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	420	ug/kg
bis(2-Chloroethyl) ether	ND	420	ug/kg
2-Chlorophenol	ND	420	ug/kg
1,3-Dichlorobenzene	ND	420	ug/kg
1,4-Dichlorobenzene	ND	420	ug/kg
1,2-Dichlorobenzene	ND	420	ug/kg
2-Methylphenol	ND	420	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	420	ug/kg
4-Methylphenol	ND	420	ug/kg
N-Nitrosodi-n-propylamine	ND	420	ug/kg
Hexachloroethane	ND	420	ug/kg
Nitrobenzene	ND	420	ug/kg
Isophorone	ND	420	ug/kg
2-Nitrophenol	ND	420	ug/kg
2,4-Dimethylphenol	ND	420	ug/kg
bis(2-Chloroethoxy) methane	ND	420	ug/kg
2,4-Dichlorophenol	ND	420	ug/kg
1,2,4-Trichlorobenzene	ND	420	ug/kg
Naphthalene	ND	420	ug/kg
4-Chloroaniline	ND	420	ug/kg
Hexachlorobutadiene	ND	420	ug/kg
4-Chloro-3-methylphenol	ND	420	ug/kg
2-Methylnaphthalene	ND	420	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	420	ug/kg
2,4,5-Trichlorophenol	ND	420	ug/kg
2-Chloronaphthalene	ND	420	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	420	ug/kg
Acenaphthylene	ND	420	ug/kg
2,6-Dinitrotoluene	ND	420	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	420	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	420	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	420	ug/kg
Diethyl phthalate	ND	420	ug/kg
4-Chlorophenyl phenyl ether	ND	420	ug/kg
Fluorene	ND	420	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	420	ug/kg
4-Bromophenyl phenyl ether	ND	420	ug/kg
Hexachlorobenzene	ND	420	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	420	ug/kg
Anthracene	ND	420	ug/kg
Carbazole	ND	420	ug/kg
Di-n-butyl phthalate	ND	420	ug/kg
Fluoranthene	ND	420	ug/kg
Pyrene	ND	420	ug/kg
Butyl benzyl phthalate	ND	420	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	420	ug/kg
Chrysene	ND	420	ug/kg
bis(2-Ethylhexyl) phthalate	**71 J**	**420**	**ug/kg**
Di-n-octyl phthalate	ND	420	ug/kg
Benzo(b)fluoranthene	ND	420	ug/kg
Benzo(k)fluoranthene	ND	420	ug/kg
Benzo(a)pyrene	ND	420	ug/kg
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg
Dibenz(a,h)anthracene	ND	420	ug/kg
Benzo(ghi)perylene	ND	420	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(25 - 121)
Phenol-d5	63	(24 - 113)
Nitrobenzene-d5	62	(23 - 120)
2-Fluorobiphenyl	68	(30 - 115)
2,4,6-Tribromophenol	80	(19 - 122)
Terphenyl-d14	72	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	370	ug/kg
bis(2-Chloroethyl) ether	ND	370	ug/kg
2-Chlorophenol	ND	370	ug/kg
1,3-Dichlorobenzene	ND	370	ug/kg
1,4-Dichlorobenzene	ND	370	ug/kg
1,2-Dichlorobenzene	ND	370	ug/kg
2-Methylphenol	ND	370	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	370	ug/kg
4-Methylphenol	ND	370	ug/kg
N-Nitrosodi-n-propylamine	ND	370	ug/kg
Hexachloroethane	ND	370	ug/kg
Nitrobenzene	ND	370	ug/kg
Isophorone	ND	370	ug/kg
2-Nitrophenol	ND	370	ug/kg
2,4-Dimethylphenol	ND	370	ug/kg
bis(2-Chloroethoxy) methane	ND	370	ug/kg
2,4-Dichlorophenol	ND	370	ug/kg
1,2,4-Trichlorobenzene	ND	370	ug/kg
Naphthalene	ND	370	ug/kg
4-Chloroaniline	ND	370	ug/kg
Hexachlorobutadiene	ND	370	ug/kg
4-Chloro-3-methylphenol	ND	370	ug/kg
2-Methylnaphthalene	ND	370	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	370	ug/kg
2,4,5-Trichlorophenol	ND	370	ug/kg
2-Chloronaphthalene	ND	370	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	370	ug/kg
Acenaphthylene	ND	370	ug/kg
2,6-Dinitrotoluene	ND	370	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	ND	370	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	370	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	370	ug/kg
Diethyl phthalate	ND	370	ug/kg
4-Chlorophenyl phenyl ether	ND	370	ug/kg
Fluorene	ND	370	ug/kg
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	370	ug/kg
4-Bromophenyl phenyl ether	ND	370	ug/kg
Hexachlorobenzene	ND	370	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	ND	370	ug/kg
Anthracene	ND	370	ug/kg
Carbazole	ND	370	ug/kg
Di-n-butyl phthalate	ND	370	ug/kg
Fluoranthene	ND	370	ug/kg
Pyrene	ND	370	ug/kg
Butyl benzyl phthalate	ND	370	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	ND	370	ug/kg
Chrysene	ND	370	ug/kg
bis(2-Ethylhexyl) phthalate	**40 J**	**370**	**ug/kg**
Di-n-octyl phthalate	ND	370	ug/kg
Benzo(b)fluoranthene	ND	370	ug/kg
Benzo(k)fluoranthene	ND	370	ug/kg
Benzo(a)pyrene	ND	370	ug/kg
Indeno(1,2,3-cd)pyrene	ND	370	ug/kg
Dibenz(a,h)anthracene	ND	370	ug/kg
Benzo(ghi)perylene	ND	370	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	64	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	66	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-004 **Work Order #...:** CGX1V105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	**110 J**	**410**	**ug/kg**
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-004 **Work Order #...:** CGX1V105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**130 J**	**410**	**ug/kg**
Anthracene	**65 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**570**	**410**	**ug/kg**
Pyrene	**450**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**360 J**	**410**	**ug/kg**
Chrysene	**370 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**480**	**410**	**ug/kg**
Benzo(k)fluoranthene	**410**	**410**	**ug/kg**
Benzo(a)pyrene	**400 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**240 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	**240 J**	**410**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(25 - 121)
Phenol-d5	65	(24 - 113)
Nitrobenzene-d5	68	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	86	(19 - 122)
Terphenyl-d14	77	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-005 **Work Order #...:** CGX22103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-005 **Work Order #...:** CGX22103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**150 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	72	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**45 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	76	(19 - 122)
Terphenyl-d14	79	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**41 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(25 - 121)
Phenol-d5	68	(24 - 113)
Nitrobenzene-d5	77	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	52	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/31/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**59 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	67	(24 - 113)
Nitrobenzene-d5	72	(23 - 120)
2-Fluorobiphenyl	76	(30 - 115)
2,4,6-Tribromophenol	65	(19 - 122)
Terphenyl-d14	76	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 25 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	440	ug/kg
bis(2-Chloroethyl) ether	ND	440	ug/kg
2-Chlorophenol	ND	440	ug/kg
1,3-Dichlorobenzene	ND	440	ug/kg
1,4-Dichlorobenzene	ND	440	ug/kg
1,2-Dichlorobenzene	ND	440	ug/kg
2-Methylphenol	ND	440	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	440	ug/kg
4-Methylphenol	ND	440	ug/kg
N-Nitrosodi-n-propylamine	ND	440	ug/kg
Hexachloroethane	ND	440	ug/kg
Nitrobenzene	ND	440	ug/kg
Isophorone	ND	440	ug/kg
2-Nitrophenol	ND	440	ug/kg
2,4-Dimethylphenol	ND	440	ug/kg
bis(2-Chloroethoxy) methane	ND	440	ug/kg
2,4-Dichlorophenol	ND	440	ug/kg
1,2,4-Trichlorobenzene	ND	440	ug/kg
Naphthalene	ND	440	ug/kg
4-Chloroaniline	ND	440	ug/kg
Hexachlorobutadiene	ND	440	ug/kg
4-Chloro-3-methylphenol	ND	440	ug/kg
2-Methylnaphthalene	ND	440	ug/kg
Hexachlorocyclopentadiene	ND	2100	ug/kg
2,4,6-Trichlorophenol	ND	440	ug/kg
2,4,5-Trichlorophenol	ND	440	ug/kg
2-Chloronaphthalene	ND	440	ug/kg
2-Nitroaniline	ND	2100	ug/kg
Dimethyl phthalate	ND	440	ug/kg
Acenaphthylene	ND	440	ug/kg
2,6-Dinitrotoluene	ND	440	ug/kg
3-Nitroaniline	ND	2100	ug/kg
Acenaphthene	ND	440	ug/kg
2,4-Dinitrophenol	ND	2100	ug/kg
4-Nitrophenol	ND	2100	ug/kg
Dibenzofuran	ND	440	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	440	ug/kg
Diethyl phthalate	ND	440	ug/kg
4-Chlorophenyl phenyl ether	ND	440	ug/kg
Fluorene	ND	440	ug/kg
4-Nitroaniline	ND	2100	ug/kg
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg
N-Nitrosodiphenylamine	ND	440	ug/kg
4-Bromophenyl phenyl ether	ND	440	ug/kg
Hexachlorobenzene	ND	440	ug/kg
Pentachlorophenol	ND	2100	ug/kg
Phenanthrene	ND	440	ug/kg
Anthracene	ND	440	ug/kg
Carbazole	ND	440	ug/kg
Di-n-butyl phthalate	ND	440	ug/kg
Fluoranthene	ND	440	ug/kg
Pyrene	ND	440	ug/kg
Butyl benzyl phthalate	ND	440	ug/kg
3,3'-Dichlorobenzidine	ND	2100	ug/kg
Benzo(a)anthracene	ND	440	ug/kg
Chrysene	ND	440	ug/kg
bis(2-Ethylhexyl) phthalate	**58 J**	**440**	**ug/kg**
Di-n-octyl phthalate	ND	440	ug/kg
Benzo(b)fluoranthene	ND	440	ug/kg
Benzo(k)fluoranthene	ND	440	ug/kg
Benzo(a)pyrene	ND	440	ug/kg
Indeno(1,2,3-cd)pyrene	ND	440	ug/kg
Dibenz(a,h)anthracene	ND	440	ug/kg
Benzo(ghi)perylene	ND	440	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	54	(25 - 121)
Phenol-d5	56	(24 - 113)
Nitrobenzene-d5	58	(23 - 120)
2-Fluorobiphenyl	63	(30 - 115)
2,4,6-Tribromophenol	71	(19 - 122)
Terphenyl-d14	63	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	400	ug/kg
bis(2-Chloroethyl) ether	ND	400	ug/kg
2-Chlorophenol	ND	400	ug/kg
1,3-Dichlorobenzene	ND	400	ug/kg
1,4-Dichlorobenzene	ND	400	ug/kg
1,2-Dichlorobenzene	ND	400	ug/kg
2-Methylphenol	ND	400	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	400	ug/kg
4-Methylphenol	ND	400	ug/kg
N-Nitrosodi-n-propylamine	ND	400	ug/kg
Hexachloroethane	ND	400	ug/kg
Nitrobenzene	ND	400	ug/kg
Isophorone	ND	400	ug/kg
2-Nitrophenol	ND	400	ug/kg
2,4-Dimethylphenol	ND	400	ug/kg
bis(2-Chloroethoxy) methane	ND	400	ug/kg
2,4-Dichlorophenol	ND	400	ug/kg
1,2,4-Trichlorobenzene	ND	400	ug/kg
Naphthalene	ND	400	ug/kg
4-Chloroaniline	ND	400	ug/kg
Hexachlorobutadiene	ND	400	ug/kg
4-Chloro-3-methylphenol	ND	400	ug/kg
2-Methylnaphthalene	ND	400	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	400	ug/kg
2,4,5-Trichlorophenol	ND	400	ug/kg
2-Chloronaphthalene	ND	400	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	400	ug/kg
Acenaphthylene	ND	400	ug/kg
2,6-Dinitrotoluene	ND	400	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	400	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	400	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	400	ug/kg
Diethyl phthalate	ND	400	ug/kg
4-Chlorophenyl phenyl ether	ND	400	ug/kg
Fluorene	ND	400	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	400	ug/kg
4-Bromophenyl phenyl ether	ND	400	ug/kg
Hexachlorobenzene	ND	400	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	400	ug/kg
Anthracene	ND	400	ug/kg
Carbazole	ND	400	ug/kg
Di-n-butyl phthalate	ND	400	ug/kg
Fluoranthene	ND	400	ug/kg
Pyrene	ND	400	ug/kg
Butyl benzyl phthalate	ND	400	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	400	ug/kg
Chrysene	ND	400	ug/kg
bis(2-Ethylhexyl) phthalate	**100 J**	**400**	**ug/kg**
Di-n-octyl phthalate	ND	400	ug/kg
Benzo(b)fluoranthene	ND	400	ug/kg
Benzo(k)fluoranthene	ND	400	ug/kg
Benzo(a)pyrene	ND	400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg
Dibenz(a,h)anthracene	ND	400	ug/kg
Benzo(ghi)perylene	ND	400	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	67	(23 - 120)
2-Fluorobiphenyl	71	(30 - 115)
2,4,6-Tribromophenol	77	(19 - 122)
Terphenyl-d14	74	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	ND	410	ug/kg
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	ND	410	ug/kg
Anthracene	ND	410	ug/kg
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	ND	410	ug/kg
Pyrene	ND	410	ug/kg
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	ND	410	ug/kg
Chrysene	ND	410	ug/kg
bis(2-Ethylhexyl) phthalate	**530**	**410**	**ug/kg**
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	ND	410	ug/kg
Benzo(k)fluoranthene	ND	410	ug/kg
Benzo(a)pyrene	ND	410	ug/kg
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	ND	410	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	70	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
2,4,6-Tribromophenol	73	(19 - 122)
Terphenyl-d14	83	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-012 **Work Order #...:** CGX2H103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1900	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1900	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1900	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
4-Nitrophenol	ND	1900	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-012 **Work Order #...:** CGX2H103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1900	ug/kg
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenanthrene	ND	380	ug/kg
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	ND	380	ug/kg
Pyrene	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	**39 J**	**380**	**ug/kg**
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	ND	380	ug/kg
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(25 - 121)
Phenol-d5	64	(24 - 113)
Nitrobenzene-d5	70	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	70	(19 - 122)
Terphenyl-d14	75	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P103 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	380	ug/kg
bis(2-Chloroethyl) ether	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
1,3-Dichlorobenzene	ND	380	ug/kg
1,4-Dichlorobenzene	ND	380	ug/kg
1,2-Dichlorobenzene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
N-Nitrosodi-n-propylamine	ND	380	ug/kg
Hexachloroethane	ND	380	ug/kg
Nitrobenzene	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
1,2,4-Trichlorobenzene	ND	380	ug/kg
Naphthalene	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
Hexachlorocyclopentadiene	ND	1800	ug/kg
2,4,6-Trichlorophenol	ND	380	ug/kg
2,4,5-Trichlorophenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Acenaphthylene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
3-Nitroaniline	ND	1800	ug/kg
Acenaphthene	ND	380	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
4-Nitrophenol	ND	1800	ug/kg
Dibenzofuran	ND	380	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Fluorene	ND	380	ug/kg
4-Nitroaniline	ND	1800	ug/kg
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenanthrene	**46 J**	**380**	**ug/kg**
Anthracene	ND	380	ug/kg
Carbazole	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
Fluoranthene	ND	380	ug/kg
Pyrene	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
Benzo(a)anthracene	ND	380	ug/kg
Chrysene	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	**140 J**	**380**	**ug/kg**
Di-n-octyl phthalate	ND	380	ug/kg
Benzo(b)fluoranthene	ND	380	ug/kg
Benzo(k)fluoranthene	ND	380	ug/kg
Benzo(a)pyrene	ND	380	ug/kg
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg
Dibenz(a,h)anthracene	ND	380	ug/kg
Benzo(ghi)perylene	ND	380	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	46	(25 - 121)
Phenol-d5	50	(24 - 113)
Nitrobenzene-d5	49	(23 - 120)
2-Fluorobiphenyl	58	(30 - 115)
2,4,6-Tribromophenol	50	(19 - 122)
Terphenyl-d14	64	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-014 **Work Order #...:** CGX2Q102 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/10/98
Prep Batch #...: 8126126
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: 7001

GC/MS Semivolatiles

Lot-Sample #...: H8E050132-014 **Work Order #...:** CGX2Q102 **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	64	(27 - 106)
Phenol-d5	78	(27 - 111)
Nitrobenzene-d5	94	(37 - 115)
2-Fluorobiphenyl	80	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	78	(33 - 141)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-001 **Work Order #...:** CGXAF103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	**64 J**	**410**	**ug/kg**
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-001 **Work Order #...:** CGXAF103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**270 J**	**410**	**ug/kg**
Anthracene	**65 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**630**	**410**	**ug/kg**
Pyrene	**510**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**260 J**	**410**	**ug/kg**
Chrysene	**340 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**320 J**	**410**	**ug/kg**
Benzo(k)fluoranthene	**320 J**	**410**	**ug/kg**
Benzo(a)pyrene	**300 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**160 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	**150 J**	**410**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	59	(23 - 120)
2-Fluorobiphenyl	83	(30 - 115)
2,4,6-Tribromophenol	104	(19 - 122)
Terphenyl-d14	87	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-002 **Work Order #...:** CGXAH103 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	410	ug/kg
bis(2-Chloroethyl) ether	ND	410	ug/kg
2-Chlorophenol	ND	410	ug/kg
1,3-Dichlorobenzene	ND	410	ug/kg
1,4-Dichlorobenzene	ND	410	ug/kg
1,2-Dichlorobenzene	ND	410	ug/kg
2-Methylphenol	ND	410	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	410	ug/kg
4-Methylphenol	ND	410	ug/kg
N-Nitrosodi-n-propylamine	ND	410	ug/kg
Hexachloroethane	ND	410	ug/kg
Nitrobenzene	ND	410	ug/kg
Isophorone	ND	410	ug/kg
2-Nitrophenol	ND	410	ug/kg
2,4-Dimethylphenol	ND	410	ug/kg
bis(2-Chloroethoxy) methane	ND	410	ug/kg
2,4-Dichlorophenol	ND	410	ug/kg
1,2,4-Trichlorobenzene	ND	410	ug/kg
Naphthalene	ND	410	ug/kg
4-Chloroaniline	ND	410	ug/kg
Hexachlorobutadiene	ND	410	ug/kg
4-Chloro-3-methylphenol	ND	410	ug/kg
2-Methylnaphthalene	ND	410	ug/kg
Hexachlorocyclopentadiene	ND	2000	ug/kg
2,4,6-Trichlorophenol	ND	410	ug/kg
2,4,5-Trichlorophenol	ND	410	ug/kg
2-Chloronaphthalene	ND	410	ug/kg
2-Nitroaniline	ND	2000	ug/kg
Dimethyl phthalate	ND	410	ug/kg
Acenaphthylene	**57 J**	**410**	**ug/kg**
2,6-Dinitrotoluene	ND	410	ug/kg
3-Nitroaniline	ND	2000	ug/kg
Acenaphthene	ND	410	ug/kg
2,4-Dinitrophenol	ND	2000	ug/kg
4-Nitrophenol	ND	2000	ug/kg
Dibenzofuran	ND	410	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-002 **Work Order #...:** CGXAH103 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	410	ug/kg
Diethyl phthalate	ND	410	ug/kg
4-Chlorophenyl phenyl ether	ND	410	ug/kg
Fluorene	ND	410	ug/kg
4-Nitroaniline	ND	2000	ug/kg
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg
N-Nitrosodiphenylamine	ND	410	ug/kg
4-Bromophenyl phenyl ether	ND	410	ug/kg
Hexachlorobenzene	ND	410	ug/kg
Pentachlorophenol	ND	2000	ug/kg
Phenanthrene	**180 J**	**410**	**ug/kg**
Anthracene	**57 J**	**410**	**ug/kg**
Carbazole	ND	410	ug/kg
Di-n-butyl phthalate	ND	410	ug/kg
Fluoranthene	**520**	**410**	**ug/kg**
Pyrene	**440**	**410**	**ug/kg**
Butyl benzyl phthalate	ND	410	ug/kg
3,3'-Dichlorobenzidine	ND	2000	ug/kg
Benzo(a)anthracene	**220 J**	**410**	**ug/kg**
Chrysene	**290 J**	**410**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	410	ug/kg
Di-n-octyl phthalate	ND	410	ug/kg
Benzo(b)fluoranthene	**270 J**	**410**	**ug/kg**
Benzo(k)fluoranthene	**290 J**	**410**	**ug/kg**
Benzo(a)pyrene	**260 J**	**410**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**130 J**	**410**	**ug/kg**
Dibenz(a,h)anthracene	ND	410	ug/kg
Benzo(ghi)perylene	**130 J**	**410**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(25 - 121)
Phenol-d5	67	(24 - 113)
Nitrobenzene-d5	49	(23 - 120)
2-Fluorobiphenyl	72	(30 - 115)
2,4,6-Tribromophenol	98	(19 - 122)
Terphenyl-d14	84	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-003 **Work Order #...:** CGXAJ105 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1
% Moisture.....: 27 **Method.....:** SW846 8270B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	450	ug/kg
bis(2-Chloroethyl) ether	ND	450	ug/kg
2-Chlorophenol	ND	450	ug/kg
1,3-Dichlorobenzene	ND	450	ug/kg
1,4-Dichlorobenzene	ND	450	ug/kg
1,2-Dichlorobenzene	ND	450	ug/kg
2-Methylphenol	ND	450	ug/kg
2,2'-oxybis(1-Chloro-propane)	ND	450	ug/kg
4-Methylphenol	ND	450	ug/kg
N-Nitrosodi-n-propylamine	ND	450	ug/kg
Hexachloroethane	ND	450	ug/kg
Nitrobenzene	ND	450	ug/kg
Isophorone	ND	450	ug/kg
2-Nitrophenol	ND	450	ug/kg
2,4-Dimethylphenol	ND	450	ug/kg
bis(2-Chloroethoxy) methane	ND	450	ug/kg
2,4-Dichlorophenol	ND	450	ug/kg
1,2,4-Trichlorobenzene	ND	450	ug/kg
Naphthalene	ND	450	ug/kg
4-Chloroaniline	ND	450	ug/kg
Hexachlorobutadiene	ND	450	ug/kg
4-Chloro-3-methylphenol	ND	450	ug/kg
2-Methylnaphthalene	ND	450	ug/kg
Hexachlorocyclopentadiene	ND	2200	ug/kg
2,4,6-Trichlorophenol	ND	450	ug/kg
2,4,5-Trichlorophenol	ND	450	ug/kg
2-Chloronaphthalene	ND	450	ug/kg
2-Nitroaniline	ND	2200	ug/kg
Dimethyl phthalate	ND	450	ug/kg
Acenaphthylene	**68 J**	**450**	**ug/kg**
2,6-Dinitrotoluene	ND	450	ug/kg
3-Nitroaniline	ND	2200	ug/kg
Acenaphthene	ND	450	ug/kg
2,4-Dinitrophenol	ND	2200	ug/kg
4-Nitrophenol	ND	2200	ug/kg
Dibenzofuran	ND	450	ug/kg

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-003 **Work Order #...:** CGXAJ105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	ND	450	ug/kg
Diethyl phthalate	ND	450	ug/kg
4-Chlorophenyl phenyl ether	ND	450	ug/kg
Fluorene	ND	450	ug/kg
4-Nitroaniline	ND	2200	ug/kg
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg
N-Nitrosodiphenylamine	ND	450	ug/kg
4-Bromophenyl phenyl ether	ND	450	ug/kg
Hexachlorobenzene	ND	450	ug/kg
Pentachlorophenol	ND	2200	ug/kg
Phenanthrene	**210 J**	**450**	**ug/kg**
Anthracene	**68 J**	**450**	**ug/kg**
Carbazole	ND	450	ug/kg
Di-n-butyl phthalate	ND	450	ug/kg
Fluoranthene	**620**	**450**	**ug/kg**
Pyrene	**520**	**450**	**ug/kg**
Butyl benzyl phthalate	ND	450	ug/kg
3,3'-Dichlorobenzidine	ND	2200	ug/kg
Benzo(a)anthracene	**270 J**	**450**	**ug/kg**
Chrysene	**340 J**	**450**	**ug/kg**
bis(2-Ethylhexyl) phthalate	ND	450	ug/kg
Di-n-octyl phthalate	ND	450	ug/kg
Benzo(b)fluoranthene	**310 J**	**450**	**ug/kg**
Benzo(k)fluoranthene	**360 J**	**450**	**ug/kg**
Benzo(a)pyrene	**310 J**	**450**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**160 J**	**450**	**ug/kg**
Dibenz(a,h)anthracene	ND	450	ug/kg
Benzo(ghi)perylene	**150 J**	**450**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(25 - 121)
Phenol-d5	69	(24 - 113)
Nitrobenzene-d5	51	(23 - 120)
2-Fluorobiphenyl	75	(30 - 115)
2,4,6-Tribromophenol	96	(19 - 122)
Terphenyl-d14	82	(20 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-004 **Work Order #...:** CGXAL102 **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/08/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8128153
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: 6981

GC/MS Semivolatiles

Lot-Sample #...: H8E050156-004 **Work Order #...:** CGXAL102 **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	78	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	89	(37 - 115)
2-Fluorobiphenyl	83	(43 - 116)
2,4,6-Tribromophenol	87	(27 - 127)
Terphenyl-d14	81	(33 - 141)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E060000-121

Prep Date.....: 05/06/98
Analysis Date..: 05/15/98 **Prep Batch #...:** 8126121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CGXCX101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(25 - 121)
Phenol-d5	72	(24 - 113)
Nitrobenzene-d5	63	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
Terphenyl-d14	84	(20 - 138)

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 #...: PB022 **Work Order #...:** CGXAJ106-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050156-003 CGXAJ107-MSD
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/06/98 **Analysis Date..:** 05/16/98
Prep Batch #...: 8126121
Dilution Factor: 1 **% Moisture.....:** 27

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**69**	**(23 - 115)**			**SW846 8270B**
	64	**(23 - 115)**	**8.4**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**81**	**(20 - 118)**			**SW846 8270B**
	72	**(20 - 118)**	**12**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**69**	**(16 - 116)**			**SW846 8270B**
	59	**(16 - 116)**	**15**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**52**	**(12 - 126)**			**SW846 8270B**
	47	**(12 - 126)**	**10**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**80**	**(19 - 124)**			**SW846 8270B**
	72	**(19 - 124)**	**11**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**66**	**(28 - 119)**			**SW846 8270B**
	61	**(28 - 119)**	**7.5**	**(0-35)**	**SW846 8270B**
Acenaphthene	**76**	**(23 - 125)**			**SW846 8270B**
	71	**(23 - 125)**	**7.3**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**34**	**(15 - 130)**			**SW846 8270B**
	32	**(15 - 130)**	**7.2**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**56**	**(26 - 122)**			**SW846 8270B**
	50	**(26 - 122)**	**11**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**74**	**(10 - 134)**			**SW846 8270B**
	62	**(10 - 134)**	**18**	**(0-53)**	**SW846 8270B**
Pyrene	**89**	**(28 - 128)**			**SW846 8270B**
	83	**(28 - 128)**	**5.5**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(25 - 121)
	63	(25 - 121)
Phenol-d5	73	(24 - 113)
	67	(24 - 113)
Nitrobenzene-d5	55	(23 - 120)
	48	(23 - 120)
2-Fluorobiphenyl	80	(30 - 115)
	71	(30 - 115)
2,4,6-Tribromophenol	98	(19 - 122)
	88	(19 - 122)
Terphenyl-d14	85	(20 - 138)
	77	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CGXCX102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E060000-121
Prep Date.....: 05/06/98 **Analysis Date..:** 05/15/98
Prep Batch #...: 8126121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**68**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**75**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**71**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**59**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**83**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**66**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**77**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**45**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**86**	**(17 - 117)**	**SW846 8270B**
Pyrene	**78**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(25 - 121)
Phenol-d5	74	(24 - 113)
Nitrobenzene-d5	64	(23 - 120)
2-Fluorobiphenyl	81	(30 - 115)
2,4,6-Tribromophenol	89	(19 - 122)
Terphenyl-d14	83	(20 - 138)

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 #...: PB022 **Work Order #...:** CGXD6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E060000-126

Prep Date.....: 05/06/98
Analysis Date..: 05/08/98 **Prep Batch #...:** 8126126
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 #...: PB022 **Work Order #...:** CGXD6101 **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	84	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	85	(43 - 116)
2,4,6-Tribromophenol	91	(27 - 127)
Terphenyl-d14	89	(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 #...: PB022 **Work Order #...:** CGXD6102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E060000-126
Prep Date.....: 05/06/98 **Analysis Date..:** 05/08/98
Prep Batch #...: 8126126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**83**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**82**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**108**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**75**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**86**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**79**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**92**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**86**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**80**	**(20 - 123)**	**SW846 8270B**
Pyrene	**87**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	90	(37 - 115)
2-Fluorobiphenyl	84	(43 - 116)
2,4,6-Tribromophenol	92	(27 - 127)
Terphenyl-d14	87	(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 #...: PB022 **Work Order #...:** CH1AX101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-262

Prep Date.....: 05/08/98
Analysis Date..: 05/28/98 **Prep Batch #...:** 8127262
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethyl) ether	ND	330	ug/kg	SW846 8270B
2-Chlorophenol	ND	330	ug/kg	SW846 8270B
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270B
2-Methylphenol	ND	330	ug/kg	SW846 8270B
2,2'-oxybis(1-Chloro-propane)	ND	330	ug/kg	SW846 8270B
4-Methylphenol	ND	330	ug/kg	SW846 8270B
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270B
Hexachloroethane	ND	330	ug/kg	SW846 8270B
Nitrobenzene	ND	330	ug/kg	SW846 8270B
Isophorone	ND	330	ug/kg	SW846 8270B
2-Nitrophenol	ND	330	ug/kg	SW846 8270B
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270B
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270B
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270B
Naphthalene	ND	330	ug/kg	SW846 8270B
4-Chloroaniline	ND	330	ug/kg	SW846 8270B
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270B
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270B
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270B
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270B
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270B
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270B
2-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Dimethyl phthalate	ND	330	ug/kg	SW846 8270B
Acenaphthylene	ND	330	ug/kg	SW846 8270B
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
3-Nitroaniline	ND	1600	ug/kg	SW846 8270B
Acenaphthene	ND	330	ug/kg	SW846 8270B
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270B
4-Nitrophenol	ND	1600	ug/kg	SW846 8270B
Dibenzofuran	ND	330	ug/kg	SW846 8270B
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270B
Diethyl phthalate	ND	330	ug/kg	SW846 8270B
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270B

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CH1AX101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluorene	ND	330	ug/kg	SW846 8270B
4-Nitroaniline	ND	1600	ug/kg	SW846 8270B
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270B
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270B
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270B
Hexachlorobenzene	ND	330	ug/kg	SW846 8270B
Pentachlorophenol	ND	1600	ug/kg	SW846 8270B
Phenanthrene	ND	330	ug/kg	SW846 8270B
Anthracene	ND	330	ug/kg	SW846 8270B
Carbazole	ND	330	ug/kg	SW846 8270B
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270B
Fluoranthene	ND	330	ug/kg	SW846 8270B
Pyrene	ND	330	ug/kg	SW846 8270B
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270B
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270B
Chrysene	ND	330	ug/kg	SW846 8270B
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270B
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270B
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270B
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270B
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270B
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(25 - 121)
Phenol-d5	70	(24 - 113)
Nitrobenzene-d5	75	(23 - 120)
2-Fluorobiphenyl	78	(30 - 115)
2,4,6-Tribromophenol	62	(19 - 122)
Terphenyl-d14	78	(20 - 138)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 Work Order #...: CGX1V106-MS Matrix.....: SOLID
MS Lot-Sample #: H8E050132-004 CGX1V107-MSD
Date Sampled...: 05/02/98 Date Received..: 05/05/98
Prep Date.....: 05/08/98 Analysis Date..: 05/29/98
Prep Batch #...: 8127262
Dilution Factor: 1 % Moisture.....: 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**66**	**(23 - 115)**			**SW846 8270B**
	64	**(23 - 115)**	**3.7**	**(0-41)**	**SW846 8270B**
2-Chlorophenol	**69**	**(20 - 118)**			**SW846 8270B**
	65	**(20 - 118)**	**5.4**	**(0-42)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(16 - 116)**			**SW846 8270B**
	62	**(16 - 116)**	**4.7**	**(0-43)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**66**	**(12 - 126)**			**SW846 8270B**
	65	**(12 - 126)**	**0.91**	**(0-42)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(19 - 124)**			**SW846 8270B**
	74	**(19 - 124)**	**4.7**	**(0-46)**	**SW846 8270B**
4-Chloro-3-methylphenol	**73**	**(28 - 119)**			**SW846 8270B**
	67	**(28 - 119)**	**8.5**	**(0-35)**	**SW846 8270B**
Acenaphthene	**71**	**(23 - 125)**			**SW846 8270B**
	72	**(23 - 125)**	**0.83**	**(0-40)**	**SW846 8270B**
4-Nitrophenol	**67**	**(15 - 130)**			**SW846 8270B**
	66	**(15 - 130)**	**1.2**	**(0-54)**	**SW846 8270B**
2,4-Dinitrotoluene	**66**	**(26 - 122)**			**SW846 8270B**
	66	**(26 - 122)**	**0.90**	**(0-32)**	**SW846 8270B**
Pentachlorophenol	**68**	**(10 - 134)**			**SW846 8270B**
	73	**(10 - 134)**	**7.4**	**(0-53)**	**SW846 8270B**
Pyrene	**61**	**(28 - 128)**			**SW846 8270B**
	54	**(28 - 128)**	**9.8**	**(0-42)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(25 - 121)
	58	(25 - 121)
Phenol-d5	68	(24 - 113)
	65	(24 - 113)
Nitrobenzene-d5	67	(23 - 120)
	66	(23 - 120)
2-Fluorobiphenyl	74	(30 - 115)
	75	(30 - 115)
2,4,6-Tribromophenol	84	(19 - 122)
	64	(19 - 122)
Terphenyl-d14	78	(20 - 138)
	71	(20 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CH1AX102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-262
Prep Date.....: 05/08/98 **Analysis Date..:** 05/28/98
Prep Batch #...: 8127262
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**63**	**(32 - 115)**	**SW846 8270B**
2-Chlorophenol	**63**	**(30 - 118)**	**SW846 8270B**
1,4-Dichlorobenzene	**66**	**(25 - 116)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**67**	**(16 - 126)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**78**	**(28 - 124)**	**SW846 8270B**
4-Chloro-3-methylphenol	**69**	**(34 - 116)**	**SW846 8270B**
Acenaphthene	**71**	**(34 - 117)**	**SW846 8270B**
4-Nitrophenol	**70**	**(23 - 125)**	**SW846 8270B**
2,4-Dinitrotoluene	**74**	**(28 - 122)**	**SW846 8270B**
Pentachlorophenol	**80**	**(17 - 117)**	**SW846 8270B**
Pyrene	**77**	**(39 - 124)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(25 - 121)
Phenol-d5	66	(24 - 113)
Nitrobenzene-d5	74	(23 - 120)
2-Fluorobiphenyl	77	(30 - 115)
2,4,6-Tribromophenol	66	(19 - 122)
Terphenyl-d14	79	(20 - 138)

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 #...: PB022 **Work Order #...:** CH1N6101 **Matrix.....:** WATER
MB Lot-Sample #: H8E080000-153

Prep Date.....: 05/08/98
Analysis Date..: 05/13/98 **Prep Batch #...:** 8128153
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 #...: PB022 **Work Order #...:** CH1N6101 **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	79	(27 - 106)
Phenol-d5	85	(27 - 111)
Nitrobenzene-d5	89	(37 - 115)
2-Fluorobiphenyl	81	(43 - 116)
2,4,6-Tribromophenol	72	(27 - 127)
Terphenyl-d14	88	(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 #...: PB022 **Work Order #...:** CH1N6102 **Matrix.....:** WATER
LCS Lot-Sample#: H8E080000-153
Prep Date.....: 05/08/98 **Analysis Date..:** 05/13/98
Prep Batch #...: 8128153
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**82**	**(28 - 113)**	**SW846 8270B**
2-Chlorophenol	**80**	**(52 - 103)**	**SW846 8270B**
1,4-Dichlorobenzene	**65**	**(40 - 100)**	**SW846 8270B**
N-Nitrosodi-n-propylamine	**87**	**(22 - 125)**	**SW846 8270B**
1,2,4-Trichlorobenzene	**68**	**(49 - 100)**	**SW846 8270B**
4-Chloro-3-methylphenol	**80**	**(54 - 110)**	**SW846 8270B**
Acenaphthene	**81**	**(58 - 113)**	**SW846 8270B**
4-Nitrophenol	**70**	**(18 - 135)**	**SW846 8270B**
2,4-Dinitrotoluene	**87**	**(59 - 120)**	**SW846 8270B**
Pentachlorophenol	**81**	**(20 - 123)**	**SW846 8270B**
Pyrene	**101**	**(54 - 122)**	**SW846 8270B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(27 - 106)
Phenol-d5	82	(27 - 111)
Nitrobenzene-d5	85	(37 - 115)
2-Fluorobiphenyl	82	(43 - 116)
2,4,6-Tribromophenol	72	(27 - 127)
Terphenyl-d14	78	(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: 6990

GC Semivolatiles

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(40 - 134)
Decachlorobiphenyl	88	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

GC Semivolatiles

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	ND	42	ug/kg
Aroclor 1260	ND	42	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(40 - 134)
Decachlorobiphenyl	94	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

GC Semivolatiles

Lot-Sample #...: H8E050132-014 **Work Order #...:** CGX2Q10U **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
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	32	(30 - 139)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

GC Semivolatiles

Lot-Sample #...:	H8E050132-004	**Work Order #...:**	CGX1V108	**Matrix.....:**	SOLID
Date Sampled...:	05/02/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	05/22/98		
Prep Batch #...:	8127125				
Dilution Factor:	1				
% Moisture.....:	19	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(40 - 134)
Decachlorobiphenyl	105	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

GC Semivolatiles

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(40 - 134)
Decachlorobiphenyl	89	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

GC Semivolatiles

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(40 - 134)
Decachlorobiphenyl	98	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

GC Semivolatiles

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(40 - 134)
Decachlorobiphenyl	87	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

GC Semivolatiles

Lot-Sample #...:	H8E050132-012	**Work Order #...:**	CGX2H104	**Matrix.....:**	SOLID
Date Sampled...:	05/02/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/07/98	**Analysis Date..:**	05/22/98		
Prep Batch #...:	8127125				
Dilution Factor:	1				
% Moisture.....:	14	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(40 - 134)
Decachlorobiphenyl	81	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

GC Semivolatiles

Lot-Sample #...: H8E050156-001 **Work Order #...:** CGXAF104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/11/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8131121
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8081

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND G	110	ug/kg
Aroclor 1260	**200**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(40 - 134)
Decachlorobiphenyl	106	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

GC Semivolatiles

Lot-Sample #...:	H8E050156-002	**Work Order #...:**	CGXAH104	**Matrix.....:**	SOLID
Date Sampled...:	05/03/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/11/98	**Analysis Date..:**	06/08/98		
Prep Batch #...:	8131121				
Dilution Factor:	1				
% Moisture.....:	20	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND G	210	ug/kg
Aroclor 1260	**400**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(40 - 134)
Decachlorobiphenyl	147	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

GC Semivolatiles

Lot-Sample #...:	H8E050156-003	**Work Order #...:**	CGXAJ108	**Matrix.....:**	SOLID
Date Sampled...:	05/03/98	**Date Received..:**	05/05/98		
Prep Date.....:	05/11/98	**Analysis Date..:**	06/08/98		
Prep Batch #...:	8131121				
Dilution Factor:	1				
% Moisture.....:	27	**Method.....:**	SW846 8081		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	45	ug/kg
Aroclor 1221	ND	45	ug/kg
Aroclor 1232	ND	45	ug/kg
Aroclor 1242	ND	45	ug/kg
Aroclor 1248	ND	45	ug/kg
Aroclor 1254	ND G	200	ug/kg
Aroclor 1260	**330**	**45**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(40 - 134)
Decachlorobiphenyl	140	(38 - 174)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

GC Semivolatiles

Lot-Sample #...: H8E050156-004 **Work Order #...:** CGXAL10U **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
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	93	(30 - 139)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CH0JG101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E070000-125

Prep Date.....: 05/07/98
Analysis Date..: 05/21/98 **Prep Batch #...:** 8127125
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	33	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)

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.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CH0K1101 **Matrix.....:** WATER
MB Lot-Sample #: H8E070000-134

Prep Date.....: 05/07/98
Analysis Date..: 05/20/98 **Prep Batch #...:** 8127134
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	92	(30 - 139)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H8E050156 **Work Order #...:** CH32P101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E110000-121

Prep Date.....: 05/11/98
Analysis Date..: 06/11/98 **Prep Batch #...:** 8131121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8081
Aroclor 1221	ND	33	ug/kg	SW846 8081
Aroclor 1232	ND	33	ug/kg	SW846 8081
Aroclor 1242	ND	33	ug/kg	SW846 8081
Aroclor 1248	ND	33	ug/kg	SW846 8081
Aroclor 1254	ND	92	ug/kg	SW846 8081
Aroclor 1260	ND	33	ug/kg	SW846 8081

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(40 - 134)
Decachlorobiphenyl	104	(38 - 174)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H8E050156 **Work Order #...:** CGXAJ109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050156-003 CGXAJ10A-MSD
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/11/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8131121
Dilution Factor: 1 **% Moisture.....:** 27

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**48 a**	**(52 - 144)**			**SW846 8081**
	96 p	**(52 - 144)**	**66**	**(0-25)**	**SW846 8081**
Aroclor 1260	**0.0 a**	**(45 - 143)**			**SW846 8081**
	81	**(45 - 143)**	**0.0**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	47	(40 - 134)
	91	(40 - 134)
Decachlorobiphenyl	71	(38 - 174)
	164	(38 - 174)

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.

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CGX1V109-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050132-004 CGX1V10A-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/07/98 **Analysis Date..:** 05/22/98
Prep Batch #...: 8127125
Dilution Factor: 1 **% Moisture.....:** 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**103**	**(52 - 144)**			**SW846 8081**
	148 a,p	**(52 - 144)**	**35**	**(0-25)**	**SW846 8081**
Aroclor 1260	**92**	**(45 - 143)**			**SW846 8081**
	131 p	**(45 - 143)**	**36**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(40 - 134)
	158 *	(40 - 134)
Decachlorobiphenyl	103	(38 - 174)
	153	(38 - 174)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: PB022 **Work Order #...:** CH0JG102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E070000-125
Prep Date.....: 05/07/98 **Analysis Date..:** 05/21/98
Prep Batch #...: 8127125
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**115**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**112**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	115	(40 - 134)
Decachlorobiphenyl	131	(38 - 174)

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 #...: PB022 **Work Order #...:** CH0K1102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E070000-134 CH0K1103-LCSD
Prep Date.....: 05/07/98 **Analysis Date..:** 05/20/98
Prep Batch #...: 8127134
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(70 - 158)**			**SW846 8081**
	109	**(70 - 158)**	**0.36**	**(0-25)**	**SW846 8081**
Aroclor 1260	**97**	**(70 - 158)**			**SW846 8081**
	98	**(70 - 158)**	**0.89**	**(0-25)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(30 - 133)
	103	(30 - 133)
Decachlorobiphenyl	103	(30 - 139)
	104	(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 #...: PB022 **Work Order #...:** CH32P102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E110000-121
Prep Date.....: 05/11/98 **Analysis Date..:** 06/08/98
Prep Batch #...: 8131121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**88**	**(52 - 144)**	**SW846 8081**
Aroclor 1260	**81**	**(45 - 143)**	**SW846 8081**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(40 - 134)
Decachlorobiphenyl	111	(38 - 174)

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: 6990

HPLC

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16105 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

HPLC

Lot-Sample #...: H8E050132-002 **Work Order #...:** CGX1L105 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

HPLC

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q104 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

HPLC

Lot-Sample #...: H8E050132-004 **Work Order #...:** CGX1V10C **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

HPLC

Lot-Sample #...: H8E050132-005 **Work Order #...:** CGX22104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

HPLC

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

HPLC

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

HPLC

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

HPLC

Lot-Sample #...: H8E050132-009 **Work Order #...:** CGX2A104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 25 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

HPLC

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

HPLC

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

HPLC

Lot-Sample #...: H8E050132-012 **Work Order #...:** CGX2H105 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

HPLC

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P104 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
HMX	ND	0.50	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg
RDX	ND	0.50	mg/kg
Tetryl	ND	0.65	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)

IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

HPLC

Lot-Sample #...: H8E050132-014 **Work Order #...:** CGX2Q10V **Matrix.....:** WATER
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
Prep Date.....: 05/10/98 **Analysis Date..:** 05/12/98
Prep Batch #...: 8131125
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)

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E050132 **Work Order #...:** CH330101 **Matrix.....:** WATER
MB Lot-Sample #: H8E110000-125

Prep Date.....: 05/10/98
Analysis Date..: 05/12/98 **Prep Batch #...:** 8131125
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	121	(39 - 157)

NOTE(S):

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H8E050132 **Work Order #...:** CH5M7101 **Matrix.....:** SOLID
MB Lot-Sample #: H8E140000-191

Prep Date.....: 05/14/98
Analysis Date..: 05/23/98 **Prep Batch #...:** 8134191
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitrobenzene	ND	0.25	mg/kg	SW846 8330
1,3,5-Trinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4,6-Trinitrotoluene	ND	0.25	mg/kg	SW846 8330
HMX	ND	0.50	mg/kg	SW846 8330
RDX	ND	0.50	mg/kg	SW846 8330
Tetryl	ND	0.65	mg/kg	SW846 8330
2-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
3-Nitrotoluene	ND	0.25	mg/kg	SW846 8330
4-Amino-2,6-dinitrotoluen	ND	0.25	mg/kg	SW846 8330
1,3-Dinitrobenzene	ND	0.25	mg/kg	SW846 8330
2,4-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330
2,6-Dinitrotoluene	ND	0.25	mg/kg	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	77	(72 - 129)

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E050132 **Work Order #...:** CGX1V10D-MS **Matrix.....:** SOLID
MS Lot-Sample #: H8E050132-004 CGX1V10E-MSD
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1 **% Moisture.....:** 19

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluen	**98**	**(76 - 120)**			**SW846 8330**
	103	**(76 - 120)**	**4.8**	**(0-15)**	**SW846 8330**
4-Nitrotoluene	**101**	**(76 - 122)**			**SW846 8330**
	103	**(76 - 122)**	**1.8**	**(0-25)**	**SW846 8330**
HMX	**87**	**(48 - 125)**			**SW846 8330**
	84	**(48 - 125)**	**3.2**	**(0-15)**	**SW846 8330**
RDX	**90**	**(61 - 127)**			**SW846 8330**
	90	**(61 - 127)**	**0.24**	**(0-15)**	**SW846 8330**
1,3,5-Trinitrobenzene	**106**	**(74 - 126)**			**SW846 8330**
	106	**(74 - 126)**	**0.32**	**(0-15)**	**SW846 8330**
1,3-Dinitrobenzene	**103**	**(71 - 126)**			**SW846 8330**
	103	**(71 - 126)**	**0.39**	**(0-15)**	**SW846 8330**
Tetryl	**91**	**(32 - 143)**			**SW846 8330**
	91	**(32 - 143)**	**0.41**	**(0-26)**	**SW846 8330**
Nitrobenzene	**101**	**(76 - 122)**			**SW846 8330**
	104	**(76 - 122)**	**3.1**	**(0-15)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(69 - 132)**			**SW846 8330**
	101	**(69 - 132)**	**5.8**	**(0-15)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**103**	**(67 - 127)**			**SW846 8330**
	109	**(67 - 127)**	**5.3**	**(0-15)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(75 - 122)**			**SW846 8330**
	104	**(75 - 122)**	**5.1**	**(0-15)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(75 - 124)**			**SW846 8330**
	104	**(75 - 124)**	**2.7**	**(0-15)**	**SW846 8330**
2-Nitrotoluene	**102**	**(77 - 125)**			**SW846 8330**
	103	**(77 - 125)**	**1.0**	**(0-15)**	**SW846 8330**
3-Nitrotoluene	**99**	**(76 - 121)**			**SW846 8330**
	101	**(76 - 121)**	**2.0**	**(0-15)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(72 - 129)
	94	(72 - 129)

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 #...: H8E050132 **Work Order #...:** CH330102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H8E110000-125 CH330103-LCSD
Prep Date.....: 05/10/98 **Analysis Date..:** 05/18/98
Prep Batch #...: 8131125
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	103	(67 - 123)			SW846 8330
	99	(67 - 123)	4.4	(0-23)	SW846 8330
RDX	122	(85 - 157)			SW846 8330
	119	(85 - 157)	2.2	(0-30)	SW846 8330
1,3,5-Trinitrobenzene	124	(80 - 141)			SW846 8330
	119	(80 - 141)	3.9	(0-18)	SW846 8330
1,3-Dinitrobenzene	119	(81 - 142)			SW846 8330
	116	(81 - 142)	3.0	(0-25)	SW846 8330
Tetryl	106	(55 - 140)			SW846 8330
	103	(55 - 140)	3.0	(0-35)	SW846 8330
Nitrobenzene	114	(69 - 140)			SW846 8330
	112	(69 - 140)	1.8	(0-20)	SW846 8330
2,4,6-Trinitrotoluene	107	(69 - 146)			SW846 8330
	102	(69 - 146)	5.0	(0-24)	SW846 8330
4-Amino-2,6-dinitrotoluene	101	(75 - 130)			SW846 8330
	98	(75 - 130)	3.0	(0-23)	SW846 8330
2,6-Dinitrotoluene	116	(74 - 135)			SW846 8330
	111	(74 - 135)	3.7	(0-19)	SW846 8330
2,4-Dinitrotoluene	115	(77 - 135)			SW846 8330
	111	(77 - 135)	3.2	(0-19)	SW846 8330
2-Nitrotoluene	112	(58 - 136)			SW846 8330
	108	(58 - 136)	3.6	(0-24)	SW846 8330
3-Nitrotoluene	109	(64 - 126)			SW846 8330
	106	(64 - 126)	2.7	(0-23)	SW846 8330
2-Amino-4,6-dinitrotoluene	115	(80 - 131)			SW846 8330
	111	(80 - 131)	2.9	(0-21)	SW846 8330
4-Nitrotoluene	110	(69 - 122)			SW846 8330
	107	(69 - 122)	2.8	(0-25)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H8E050132 **Work Order #...:** CH5M7102 **Matrix.....:** SOLID
LCS Lot-Sample#: H8E140000-191
Prep Date.....: 05/14/98 **Analysis Date..:** 05/23/98
Prep Batch #...: 8134191
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
HMX	**88**	**(65 - 117)**	**SW846 8330**
RDX	**100**	**(75 - 124)**	**SW846 8330**
1,3,5-Trinitrobenzene	**108**	**(78 - 124)**	**SW846 8330**
1,3-Dinitrobenzene	**103**	**(75 - 123)**	**SW846 8330**
Tetryl	**89**	**(40 - 125)**	**SW846 8330**
Nitrobenzene	**97**	**(76 - 122)**	**SW846 8330**
2,4,6-Trinitrotoluene	**92**	**(71 - 132)**	**SW846 8330**
4-Amino-2,6-dinitrotoluen	**100**	**(75 - 127)**	**SW846 8330**
2,6-Dinitrotoluene	**103**	**(75 - 122)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(75 - 124)**	**SW846 8330**
2-Nitrotoluene	**99**	**(77 - 125)**	**SW846 8330**
3-Nitrotoluene	**100**	**(78 - 121)**	**SW846 8330**
2-Amino-4,6-dinitrotoluen	**100**	**(76 - 120)**	**SW846 8330**
4-Nitrotoluene	**100**	**(76 - 122)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	98	(72 - 129)

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: 6990

TOTAL Metals

Lot-Sample #...: H8E050132-001 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	7590	24.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX16106
		Dilution Factor: 1		Analysis Time..: 16:08		
Arsenic	27.0	24.7	mg/kg	SW846 6010A	05/21-06/08/98	CGX1610R
		Dilution Factor: 20		Analysis Time..: 16:30		
Lead	48.6	7.4	mg/kg	SW846 6010A	05/21-06/08/98	CGX1610T
		Dilution Factor: 20		Analysis Time..: 16:30		
Antimony	ND	74.0	mg/kg	SW846 6010A	05/21-06/06/98	CGX16107
		Dilution Factor: 10		Analysis Time..: 18:32		
Barium	826	24.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX16108
		Dilution Factor: 1		Analysis Time..: 16:08		
Selenium	ND	12.3	mg/kg	SW846 6010A	05/21-06/08/98	CGX1610U
		Dilution Factor: 20		Analysis Time..: 16:30		
Beryllium	ND	6.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX16109
		Dilution Factor: 10		Analysis Time..: 18:32		
Thallium	ND	24.7	mg/kg	SW846 6010A	05/21-06/08/98	CGX1610V
		Dilution Factor: 20		Analysis Time..: 16:30		
Cadmium	ND	6.2	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610A
		Dilution Factor: 10		Analysis Time..: 18:32		
Calcium	2550	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610C
		Dilution Factor: 1		Analysis Time..: 16:08		
Chromium	ND	12.3	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610D
		Dilution Factor: 10		Analysis Time..: 18:32		
Cobalt	116	61.7	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610E
		Dilution Factor: 10		Analysis Time..: 18:32		
Copper	30.1	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610F
		Dilution Factor: 1		Analysis Time..: 16:08		
Iron	234000	123	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610G
		Dilution Factor: 10		Analysis Time..: 18:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

TOTAL Metals

Lot-Sample #...: H8E050132-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	629	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610H
		Dilution Factor: 1		Analysis Time..: 16:08		
Manganese	13300	18.5	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610J
		Dilution Factor: 10		Analysis Time..: 18:32		
Nickel	55.1	4.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610K
		Dilution Factor: 1		Analysis Time..: 16:08		
Potassium	ND	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610L
		Dilution Factor: 1		Analysis Time..: 16:08		
Silver	11.1	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610M
		Dilution Factor: 1		Analysis Time..: 16:08		
Sodium	ND	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610N
		Dilution Factor: 1		Analysis Time..: 16:08		
Vanadium	ND	61.7	mg/kg	SW846 6010A	05/21-06/06/98	CGX1610P
		Dilution Factor: 10		Analysis Time..: 18:32		
Zinc	655	2.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX1610Q
		Dilution Factor: 1		Analysis Time..: 16:08		
Prep Batch #...: 8140183						
Mercury	0.085	0.041	mg/kg	SW846 7471A	05/21/98	CGX1610W
		Dilution Factor: 1		Analysis Time..: 15:55		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

TOTAL Metals

Lot-Sample #...: H8E050132-002 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	12100	25.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L106
		Dilution Factor: 1		Analysis Time..: 16:13		
Arsenic	7.9	6.3	mg/kg	SW846 6010A	05/21-06/08/98	CGX1L10R
		Dilution Factor: 5		Analysis Time..: 16:36		
Lead	19.0	1.9	mg/kg	SW846 6010A	05/21-06/08/98	CGX1L10T
		Dilution Factor: 5		Analysis Time..: 16:36		
Antimony	10.1	7.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L107
		Dilution Factor: 1		Analysis Time..: 16:13		
Barium	213	25.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L108
		Dilution Factor: 1		Analysis Time..: 16:13		
Selenium	ND	3.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX1L10U
		Dilution Factor: 5		Analysis Time..: 16:36		
Beryllium	1.2	0.63	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L109
		Dilution Factor: 1		Analysis Time..: 16:13		
Thallium	ND	6.3	mg/kg	SW846 6010A	05/21-06/08/98	CGX1L10V
		Dilution Factor: 5		Analysis Time..: 16:36		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10A
		Dilution Factor: 1		Analysis Time..: 16:13		
Calcium	4540	631	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10C
		Dilution Factor: 1		Analysis Time..: 16:13		
Chromium	ND	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10D
		Dilution Factor: 1		Analysis Time..: 16:13		
Cobalt	23.9	6.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10E
		Dilution Factor: 1		Analysis Time..: 16:13		
Copper	17.6	3.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10F
		Dilution Factor: 1		Analysis Time..: 16:13		
Iron	67900	12.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10G
		Dilution Factor: 1		Analysis Time..: 16:13		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

TOTAL Metals

Lot-Sample #...: H8E050132-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**1290**	**631**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX1L10H**
		Dilution Factor: 1		Analysis Time..: 16:13		
Manganese	**4550**	**1.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX1L10J**
		Dilution Factor: 1		Analysis Time..: 16:13		
Nickel	**19.1**	**5.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX1L10K**
		Dilution Factor: 1		Analysis Time..: 16:13		
Potassium	ND	631	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10L
		Dilution Factor: 1		Analysis Time..: 16:13		
Silver	ND	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10M
		Dilution Factor: 1		Analysis Time..: 16:13		
Sodium	ND	631	mg/kg	SW846 6010A	05/21-06/05/98	CGX1L10N
		Dilution Factor: 1		Analysis Time..: 16:13		
Vanadium	**26.5**	**6.3**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX1L10P**
		Dilution Factor: 1		Analysis Time..: 16:13		
Zinc	**124**	**2.5**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX1L10Q**
		Dilution Factor: 1		Analysis Time..: 16:13		
Prep Batch #...: 8140183						
Mercury	**0.071**	**0.042**	**mg/kg**	**SW846 7471A**	**05/21/98**	**CGX1L10W**
		Dilution Factor: 1		Analysis Time..: 15:58		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

TOTAL Metals

Lot-Sample #...: H8E050132-003 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	10400	22.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q105
		Dilution Factor: 1		Analysis Time..: 16:18		
Arsenic	16.8	1.1	mg/kg	SW846 6010A	05/21-06/08/98	CGX1Q10Q
		Dilution Factor: 1		Analysis Time..: 16:41		
Lead	12.0	0.34	mg/kg	SW846 6010A	05/21-06/08/98	CGX1Q10R
		Dilution Factor: 1		Analysis Time..: 16:41		
Antimony	ND	6.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q106
		Dilution Factor: 1		Analysis Time..: 16:18		
Barium	48.3	22.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q107
		Dilution Factor: 1		Analysis Time..: 16:18		
Selenium	0.61	0.57	mg/kg	SW846 6010A	05/21-06/08/98	CGX1Q10T
		Dilution Factor: 1		Analysis Time..: 16:41		
Beryllium	0.57	0.57	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q108
		Dilution Factor: 1		Analysis Time..: 16:18		
Thallium	ND	1.1	mg/kg	SW846 6010A	05/21-06/08/98	CGX1Q10U
		Dilution Factor: 1		Analysis Time..: 16:41		
Cadmium	ND	0.57	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q109
		Dilution Factor: 1		Analysis Time..: 16:18		
Calcium	34100	566	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10A
		Dilution Factor: 1		Analysis Time..: 16:18		
Chromium	16.4	1.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10C
		Dilution Factor: 1		Analysis Time..: 16:18		
Cobalt	22.0	5.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10D
		Dilution Factor: 1		Analysis Time..: 16:18		
Copper	30.7	2.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10E
		Dilution Factor: 1		Analysis Time..: 16:18		
Iron	34200	11.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10F
		Dilution Factor: 1		Analysis Time..: 16:18		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

TOTAL Metals

Lot-Sample #...: H8E050132-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	7700	566	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10G
		Dilution Factor: 1		Analysis Time..: 16:18		
Manganese	771	1.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10H
		Dilution Factor: 1		Analysis Time..: 16:18		
Nickel	43.9	4.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10J
		Dilution Factor: 1		Analysis Time..: 16:18		
Potassium	2220	566	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10K
		Dilution Factor: 1		Analysis Time..: 16:18		
Silver	ND	1.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10L
		Dilution Factor: 1		Analysis Time..: 16:18		
Sodium	ND	566	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10M
		Dilution Factor: 1		Analysis Time..: 16:18		
Vanadium	22.6	5.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10N
		Dilution Factor: 1		Analysis Time..: 16:18		
Zinc	88.9	2.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1Q10P
		Dilution Factor: 1		Analysis Time..: 16:18		
Prep Batch #...: 8140183						
Mercury	ND	0.037	mg/kg	SW846 7471A	05/21/98	CGX1Q10V
		Dilution Factor: 1		Analysis Time..: 16:00		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

TOTAL Metals

Lot-Sample #...: H8E050132-004 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	9270	24.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10F
		Dilution Factor: 1		Analysis Time..: 16:23		
Arsenic	5.2	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX1V128
		Dilution Factor: 1		Analysis Time..: 16:47		
Lead	7.9	0.37	mg/kg	SW846 6010A	05/21-06/08/98	CGX1V12C
		Dilution Factor: 1		Analysis Time..: 16:47		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10J
		Dilution Factor: 1		Analysis Time..: 16:23		
Barium	65.1	24.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10M
		Dilution Factor: 1		Analysis Time..: 16:23		
Selenium	0.82	0.62	mg/kg	SW846 6010A	05/21-06/08/98	CGX1V12F
		Dilution Factor: 1		Analysis Time..: 16:47		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10Q
		Dilution Factor: 1		Analysis Time..: 16:23		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX1V12J
		Dilution Factor: 1		Analysis Time..: 16:47		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10U
		Dilution Factor: 1		Analysis Time..: 16:23		
Calcium	4810	616	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V10X
		Dilution Factor: 1		Analysis Time..: 16:23		
Chromium	15.4	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V112
		Dilution Factor: 1		Analysis Time..: 16:23		
Cobalt	9.6	6.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V115
		Dilution Factor: 1		Analysis Time..: 16:23		
Copper	14.4	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V118
		Dilution Factor: 1		Analysis Time..: 16:23		
Iron	17700	12.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11C
		Dilution Factor: 1		Analysis Time..: 16:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

TOTAL Metals

Lot-Sample #...: H8E050132-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	2280	616	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11F
		Dilution Factor: 1		Analysis Time..: 16:23		
Manganese	104	1.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11J
		Dilution Factor: 1		Analysis Time..: 16:23		
Nickel	17.2	4.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11M
		Dilution Factor: 1		Analysis Time..: 16:23		
Potassium	864	616	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11Q
		Dilution Factor: 1		Analysis Time..: 16:23		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11U
		Dilution Factor: 1		Analysis Time..: 16:23		
Sodium	ND	616	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V11X
		Dilution Factor: 1		Analysis Time..: 16:23		
Vanadium	23.7	6.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V122
		Dilution Factor: 1		Analysis Time..: 16:23		
Zinc	51.6	2.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX1V125
		Dilution Factor: 1		Analysis Time..: 16:23		
Prep Batch #...: 8140183						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/21/98	CGX1V12M
		Dilution Factor: 1		Analysis Time..: 16:02		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

TOTAL Metals

Lot-Sample #...: H8E050132-005 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	11100	24.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX22105
		Dilution Factor: 1		Analysis Time..: 16:57		
Arsenic	15.5	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2210Q
		Dilution Factor: 1		Analysis Time..: 17:09		
Lead	8.9	0.37	mg/kg	SW846 6010A	05/21-06/08/98	CGX2210R
		Dilution Factor: 1		Analysis Time..: 17:09		
Antimony	7.8	7.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX22106
		Dilution Factor: 1		Analysis Time..: 16:57		
Barium	47.7	24.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX22107
		Dilution Factor: 1		Analysis Time..: 16:57		
Selenium	0.68	0.61	mg/kg	SW846 6010A	05/21-06/08/98	CGX2210T
		Dilution Factor: 1		Analysis Time..: 17:09		
Beryllium	0.67	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX22108
		Dilution Factor: 1		Analysis Time..: 16:57		
Thallium	1.3	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2210U
		Dilution Factor: 1		Analysis Time..: 17:09		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX22109
		Dilution Factor: 1		Analysis Time..: 16:57		
Calcium	3590	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210A
		Dilution Factor: 1		Analysis Time..: 16:57		
Chromium	20.1	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210C
		Dilution Factor: 1		Analysis Time..: 16:57		
Cobalt	18.5	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210D
		Dilution Factor: 1		Analysis Time..: 16:57		
Copper	19.2	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210E
		Dilution Factor: 1		Analysis Time..: 16:57		
Iron	35000	12.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210F
		Dilution Factor: 1		Analysis Time..: 16:57		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

TOTAL Metals

Lot-Sample #...: H8E050132-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	2660	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210G
		Dilution Factor: 1		Analysis Time..: 16:57		
Manganese	149	1.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210H
		Dilution Factor: 1		Analysis Time..: 16:57		
Nickel	27.1	4.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210J
		Dilution Factor: 1		Analysis Time..: 16:57		
Potassium	1320	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210K
		Dilution Factor: 1		Analysis Time..: 16:57		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210L
		Dilution Factor: 1		Analysis Time..: 16:57		
Sodium	ND	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210M
		Dilution Factor: 1		Analysis Time..: 16:57		
Vanadium	37.2	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210N
		Dilution Factor: 1		Analysis Time..: 16:57		
Zinc	64.6	2.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX2210P
		Dilution Factor: 1		Analysis Time..: 16:57		
Prep Batch #...: 8140183						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX2210V
		Dilution Factor: 1		Analysis Time..: 06:00		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

TOTAL Metals

Lot-Sample #...: H8E050132-006 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	15500	24.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX24106
		Dilution Factor: 1		Analysis Time..: 17:01		
Arsenic	8.7	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2410R
		Dilution Factor: 1		Analysis Time..: 17:14		
Lead	11.1	0.37	mg/kg	SW846 6010A	05/21-06/08/98	CGX2410T
		Dilution Factor: 1		Analysis Time..: 17:14		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX24107
		Dilution Factor: 1		Analysis Time..: 17:01		
Barium	97.8	24.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX24108
		Dilution Factor: 1		Analysis Time..: 17:01		
Selenium	ND	0.61	mg/kg	SW846 6010A	05/21-06/08/98	CGX2410U
		Dilution Factor: 1		Analysis Time..: 17:14		
Beryllium	0.80	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX24109
		Dilution Factor: 1		Analysis Time..: 17:01		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2410V
		Dilution Factor: 1		Analysis Time..: 17:14		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410A
		Dilution Factor: 1		Analysis Time..: 17:01		
Calcium	4880	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410C
		Dilution Factor: 1		Analysis Time..: 17:01		
Chromium	25.7	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410D
		Dilution Factor: 1		Analysis Time..: 17:01		
Cobalt	19.5	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410E
		Dilution Factor: 1		Analysis Time..: 17:01		
Copper	25.3	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410F
		Dilution Factor: 1		Analysis Time..: 17:01		
Iron	29500	12.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410G
		Dilution Factor: 1		Analysis Time..: 17:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

TOTAL Metals

Lot-Sample #...: H8E050132-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	4630	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410H
		Dilution Factor: 1		Analysis Time..: 17:01		
Manganese	358	1.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410J
		Dilution Factor: 1		Analysis Time..: 17:01		
Nickel	34.1	4.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410K
		Dilution Factor: 1		Analysis Time..: 17:01		
Potassium	1390	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410L
		Dilution Factor: 1		Analysis Time..: 17:01		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410M
		Dilution Factor: 1		Analysis Time..: 17:01		
Sodium	ND	613	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410N
		Dilution Factor: 1		Analysis Time..: 17:01		
Vanadium	39.0	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410P
		Dilution Factor: 1		Analysis Time..: 17:01		
Zinc	65.3	2.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX2410Q
		Dilution Factor: 1		Analysis Time..: 17:01		
Prep Batch #...: 8140183						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX2410W
		Dilution Factor: 1		Analysis Time..: 06:02		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

TOTAL Metals

Lot-Sample #...: H8E050132-007 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	13400	24.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX27105
		Dilution Factor: 1		Analysis Time..: 17:06		
Arsenic	3.9	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2710Q
		Dilution Factor: 1		Analysis Time..: 17:20		
Lead	7.0	0.36	mg/kg	SW846 6010A	05/21-06/08/98	CGX2710R
		Dilution Factor: 1		Analysis Time..: 17:20		
Antimony	7.9	7.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX27106
		Dilution Factor: 1		Analysis Time..: 17:06		
Barium	107	24.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX27107
		Dilution Factor: 1		Analysis Time..: 17:06		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/21-06/08/98	CGX2710T
		Dilution Factor: 1		Analysis Time..: 17:20		
Beryllium	0.68	0.60	mg/kg	SW846 6010A	05/21-06/05/98	CGX27108
		Dilution Factor: 1		Analysis Time..: 17:06		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2710U
		Dilution Factor: 1		Analysis Time..: 17:20		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/21-06/05/98	CGX27109
		Dilution Factor: 1		Analysis Time..: 17:06		
Calcium	52300	599	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710A
		Dilution Factor: 1		Analysis Time..: 17:06		
Chromium	24.7	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710C
		Dilution Factor: 1		Analysis Time..: 17:06		
Cobalt	16.5	6.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710D
		Dilution Factor: 1		Analysis Time..: 17:06		
Copper	19.1	3.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710E
		Dilution Factor: 1		Analysis Time..: 17:06		
Iron	26700	12.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710F
		Dilution Factor: 1		Analysis Time..: 17:06		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

TOTAL Metals

Lot-Sample #...: H8E050132-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	10400	599	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710G
		Dilution Factor: 1		Analysis Time..: 17:06		
Manganese	362	1.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710H
		Dilution Factor: 1		Analysis Time..: 17:06		
Nickel	27.7	4.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710J
		Dilution Factor: 1		Analysis Time..: 17:06		
Potassium	3390	599	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710K
		Dilution Factor: 1		Analysis Time..: 17:06		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710L
		Dilution Factor: 1		Analysis Time..: 17:06		
Sodium	ND	599	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710M
		Dilution Factor: 1		Analysis Time..: 17:06		
Vanadium	30.4	6.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710N
		Dilution Factor: 1		Analysis Time..: 17:06		
Zinc	60.7	2.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX2710P
		Dilution Factor: 1		Analysis Time..: 17:06		
Prep Batch #...: 8140183						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX2710V
		Dilution Factor: 1		Analysis Time..: 06:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

TOTAL Metals

Lot-Sample #...: H8E050132-008 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	8390	24.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX28106
		Dilution Factor: 1		Analysis Time..: 17:11		
Arsenic	36.5	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2810R
		Dilution Factor: 1		Analysis Time..: 17:36		
Lead	21.8	0.36	mg/kg	SW846 6010A	05/21-06/08/98	CGX2810T
		Dilution Factor: 1		Analysis Time..: 17:36		
Antimony	9.3	7.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX28107
		Dilution Factor: 1		Analysis Time..: 17:11		
Barium	79.8	24.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX28108
		Dilution Factor: 1		Analysis Time..: 17:11		
Selenium	2.0	0.61	mg/kg	SW846 6010A	05/21-06/08/98	CGX2810U
		Dilution Factor: 1		Analysis Time..: 17:36		
Beryllium	1.0	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX28109
		Dilution Factor: 1		Analysis Time..: 17:11		
Thallium	1.2	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2810V
		Dilution Factor: 1		Analysis Time..: 17:36		
Cadmium	ND	0.61	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810A
		Dilution Factor: 1		Analysis Time..: 17:11		
Calcium	1590	608	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810C
		Dilution Factor: 1		Analysis Time..: 17:11		
Chromium	10.4	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810D
		Dilution Factor: 1		Analysis Time..: 17:11		
Cobalt	21.6	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810E
		Dilution Factor: 1		Analysis Time..: 17:11		
Copper	56.2	3.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810F
		Dilution Factor: 1		Analysis Time..: 17:11		
Iron	37400	12.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810G
		Dilution Factor: 1		Analysis Time..: 17:11		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

TOTAL Metals

Lot-Sample #...: H8E050132-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	1220	608	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810H
		Dilution Factor: 1		Analysis Time..: 17:11		
Manganese	87.8	1.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810J
		Dilution Factor: 1		Analysis Time..: 17:11		
Nickel	22.8	4.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810K
		Dilution Factor: 1		Analysis Time..: 17:11		
Potassium	1190	608	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810L
		Dilution Factor: 1		Analysis Time..: 17:11		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810M
		Dilution Factor: 1		Analysis Time..: 17:11		
Sodium	ND	608	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810N
		Dilution Factor: 1		Analysis Time..: 17:11		
Vanadium	40.9	6.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810P
		Dilution Factor: 1		Analysis Time..: 17:11		
Zinc	34.6	2.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX2810Q
		Dilution Factor: 1		Analysis Time..: 17:11		
Prep Batch #...: 8140183						
Mercury	0.085	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX2810W
		Dilution Factor: 1		Analysis Time..: 06:07		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

TOTAL Metals

Lot-Sample #...: H8E050132-009 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	6830	26.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A105
		Dilution Factor: 1		Analysis Time..: 17:16		
Arsenic	11.7	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGX2A10Q
		Dilution Factor: 1		Analysis Time..: 17:42		
Lead	12.4	0.40	mg/kg	SW846 6010A	05/21-06/08/98	CGX2A10R
		Dilution Factor: 1		Analysis Time..: 17:42		
Antimony	ND	8.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A106
		Dilution Factor: 1		Analysis Time..: 17:16		
Barium	45.4	26.5	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A107
		Dilution Factor: 1		Analysis Time..: 17:16		
Selenium	1.2	0.66	mg/kg	SW846 6010A	05/21-06/08/98	CGX2A10T
		Dilution Factor: 1		Analysis Time..: 17:42		
Beryllium	1.0	0.66	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A108
		Dilution Factor: 1		Analysis Time..: 17:16		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGX2A10U
		Dilution Factor: 1		Analysis Time..: 17:42		
Cadmium	ND	0.66	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A109
		Dilution Factor: 1		Analysis Time..: 17:16		
Calcium	808	663	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10A
		Dilution Factor: 1		Analysis Time..: 17:16		
Chromium	10.9	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10C
		Dilution Factor: 1		Analysis Time..: 17:16		
Cobalt	25.2	6.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10D
		Dilution Factor: 1		Analysis Time..: 17:16		
Copper	43.4	3.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10E
		Dilution Factor: 1		Analysis Time..: 17:16		
Iron	32200	13.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10F
		Dilution Factor: 1		Analysis Time..: 17:16		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

TOTAL Metals

Lot-Sample #...: H8E050132-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	1500	663	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10G
		Dilution Factor: 1		Analysis Time..: 17:16		
Manganese	118	2.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10H
		Dilution Factor: 1		Analysis Time..: 17:16		
Nickel	47.6	5.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10J
		Dilution Factor: 1		Analysis Time..: 17:16		
Potassium	1460	663	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10K
		Dilution Factor: 1		Analysis Time..: 17:16		
Silver	ND	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10L
		Dilution Factor: 1		Analysis Time..: 17:16		
Sodium	ND	663	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10M
		Dilution Factor: 1		Analysis Time..: 17:16		
Vanadium	20.2	6.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10N
		Dilution Factor: 1		Analysis Time..: 17:16		
Zinc	81.0	2.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX2A10P
		Dilution Factor: 1		Analysis Time..: 17:16		
Prep Batch #...: 8140183						
Mercury	ND	0.044	mg/kg	SW846 7471A	05/21-05/22/98	CGX2A10V
		Dilution Factor: 1		Analysis Time..: 06:09		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

TOTAL Metals

Lot-Sample #...: H8E050132-010 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	**6050**	**24.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D106**
		Dilution Factor: 1		Analysis Time..: 17:21		
Arsenic	**2.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/09/98**	**CGX2D10R**
		Dilution Factor: 1		Analysis Time..: 18:08		
Lead	**3.2**	**0.36**	**mg/kg**	**SW846 6010A**	**05/21-06/09/98**	**CGX2D10T**
		Dilution Factor: 1		Analysis Time..: 18:08		
Antimony	ND	7.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D107
		Dilution Factor: 1		Analysis Time..: 17:21		
Barium	ND	24.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D108
		Dilution Factor: 1		Analysis Time..: 17:21		
Selenium	ND	0.60	mg/kg	SW846 6010A	05/21-06/09/98	CGX2D10U
		Dilution Factor: 1		Analysis Time..: 18:08		
Beryllium	ND	0.60	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D109
		Dilution Factor: 1		Analysis Time..: 17:21		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/09/98	CGX2D10V
		Dilution Factor: 1		Analysis Time..: 18:08		
Cadmium	ND	0.60	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D10A
		Dilution Factor: 1		Analysis Time..: 17:21		
Calcium	**1470**	**600**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10C**
		Dilution Factor: 1		Analysis Time..: 17:21		
Chromium	**7.9**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10D**
		Dilution Factor: 1		Analysis Time..: 17:21		
Cobalt	ND	6.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D10E
		Dilution Factor: 1		Analysis Time..: 17:21		
Copper	**3.9**	**3.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10F**
		Dilution Factor: 1		Analysis Time..: 17:21		
Iron	**7300**	**12.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10G**
		Dilution Factor: 1		Analysis Time..: 17:21		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

TOTAL Metals

Lot-Sample #...: H8E050132-010 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**868**	**600**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10H**
		Dilution Factor: 1		Analysis Time..: 17:21		
Manganese	**147**	**1.8**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10J**
		Dilution Factor: 1		Analysis Time..: 17:21		
Nickel	**8.4**	**4.8**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10K**
		Dilution Factor: 1		Analysis Time..: 17:21		
Potassium	ND	600	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D10L
		Dilution Factor: 1		Analysis Time..: 17:21		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D10M
		Dilution Factor: 1		Analysis Time..: 17:21		
Sodium	ND	600	mg/kg	SW846 6010A	05/21-06/05/98	CGX2D10N
		Dilution Factor: 1		Analysis Time..: 17:21		
Vanadium	**14.4**	**6.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10P**
		Dilution Factor: 1		Analysis Time..: 17:21		
Zinc	**26.3**	**2.4**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2D10Q**
		Dilution Factor: 1		Analysis Time..: 17:21		
Prep Batch #...: 8140183						
Mercury	ND	0.040	mg/kg	SW846 7471A	05/21-05/22/98	CGX2D10W
		Dilution Factor: 1		Analysis Time..: 06:11		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

TOTAL Metals

Lot-Sample #...: H8E050132-011 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	**3520**	**24.7**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E105**
		Dilution Factor: 1		Analysis Time..: 17:26		
Arsenic	**2.1**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX2E10Q**
		Dilution Factor: 1		Analysis Time..: 17:53		
Lead	**2.8**	**0.37**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX2E10R**
		Dilution Factor: 1		Analysis Time..: 17:53		
Antimony	ND	7.4	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E106
		Dilution Factor: 1		Analysis Time..: 17:26		
Barium	ND	24.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E107
		Dilution Factor: 1		Analysis Time..: 17:26		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/21-06/08/98	CGX2E10T
		Dilution Factor: 1		Analysis Time..: 17:53		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E108
		Dilution Factor: 1		Analysis Time..: 17:26		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2E10U
		Dilution Factor: 1		Analysis Time..: 17:53		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E109
		Dilution Factor: 1		Analysis Time..: 17:26		
Calcium	**1830**	**617**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10A**
		Dilution Factor: 1		Analysis Time..: 17:26		
Chromium	**7.7**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10C**
		Dilution Factor: 1		Analysis Time..: 17:26		
Cobalt	ND	6.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E10D
		Dilution Factor: 1		Analysis Time..: 17:26		
Copper	**4.8**	**3.1**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10E**
		Dilution Factor: 1		Analysis Time..: 17:26		
Iron	**6610**	**12.3**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10F**
		Dilution Factor: 1		Analysis Time..: 17:26		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

TOTAL Metals

Lot-Sample #...: H8E050132-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**838**	**617**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10G**
		Dilution Factor: 1		Analysis Time..: 17:26		
Manganese	**68.7**	**1.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10H**
		Dilution Factor: 1		Analysis Time..: 17:26		
Nickel	**8.0**	**4.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10J**
		Dilution Factor: 1		Analysis Time..: 17:26		
Potassium	ND	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E10K
		Dilution Factor: 1		Analysis Time..: 17:26		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E10L
		Dilution Factor: 1		Analysis Time..: 17:26		
Sodium	ND	617	mg/kg	SW846 6010A	05/21-06/05/98	CGX2E10M
		Dilution Factor: 1		Analysis Time..: 17:26		
Vanadium	**14.4**	**6.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10N**
		Dilution Factor: 1		Analysis Time..: 17:26		
Zinc	**23.7**	**2.5**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2E10P**
		Dilution Factor: 1		Analysis Time..: 17:26		
Prep Batch #...: 8140183						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/21-05/22/98	CGX2E10V
		Dilution Factor: 1		Analysis Time..: 06:14		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

TOTAL Metals

Lot-Sample #...: H8E050132-012 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	**4680**	**23.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2H106**
		Dilution Factor: 1		Analysis Time..: 17:31		
Arsenic	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2H10R
		Dilution Factor: 1		Analysis Time..: 17:59		
Lead	**1.9**	**0.35**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX2H10T**
		Dilution Factor: 1		Analysis Time..: 17:59		
Antimony	ND	7.0	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H107
		Dilution Factor: 1		Analysis Time..: 17:31		
Barium	ND	23.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H108
		Dilution Factor: 1		Analysis Time..: 17:31		
Selenium	ND	0.58	mg/kg	SW846 6010A	05/21-06/08/98	CGX2H10U
		Dilution Factor: 1		Analysis Time..: 17:59		
Beryllium	ND	0.58	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H109
		Dilution Factor: 1		Analysis Time..: 17:31		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/08/98	CGX2H10V
		Dilution Factor: 1		Analysis Time..: 17:59		
Cadmium	ND	0.58	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10A
		Dilution Factor: 1		Analysis Time..: 17:31		
Calcium	**735**	**579**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2H10C**
		Dilution Factor: 1		Analysis Time..: 17:31		
Chromium	**4.4**	**1.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2H10D**
		Dilution Factor: 1		Analysis Time..: 17:31		
Cobalt	ND	5.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10E
		Dilution Factor: 1		Analysis Time..: 17:31		
Copper	ND	2.9	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10F
		Dilution Factor: 1		Analysis Time..: 17:31		
Iron	**5880**	**11.6**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2H10G**
		Dilution Factor: 1		Analysis Time..: 17:31		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

TOTAL Metals

Lot-Sample #...: H8E050132-012 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	719	579	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10H
		Dilution Factor: 1		Analysis Time..: 17:31		
Manganese	25.3	1.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10J
		Dilution Factor: 1		Analysis Time..: 17:31		
Nickel	5.4	4.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10K
		Dilution Factor: 1		Analysis Time..: 17:31		
Potassium	ND	579	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10L
		Dilution Factor: 1		Analysis Time..: 17:31		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10M
		Dilution Factor: 1		Analysis Time..: 17:31		
Sodium	ND	579	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10N
		Dilution Factor: 1		Analysis Time..: 17:31		
Vanadium	9.0	5.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10P
		Dilution Factor: 1		Analysis Time..: 17:31		
Zinc	13.7	2.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2H10Q
		Dilution Factor: 1		Analysis Time..: 17:31		
Prep Batch #...: 8140183						
Mercury	ND	0.038	mg/kg	SW846 7471A	05/21-05/22/98	CGX2H10W
		Dilution Factor: 1		Analysis Time..: 06:16		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

TOTAL Metals

Lot-Sample #...: H8E050132-013 Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	**4430**	**22.8**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P105**
		Dilution Factor: 1		Analysis Time..: 17:46		
Arsenic	**7.1**	**1.1**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX2P10Q**
		Dilution Factor: 1		Analysis Time..: 18:04		
Lead	**7.4**	**0.34**	**mg/kg**	**SW846 6010A**	**05/21-06/08/98**	**CGX2P10R**
		Dilution Factor: 1		Analysis Time..: 18:04		
Antimony	ND	6.8	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P106
		Dilution Factor: 1		Analysis Time..: 17:46		
Barium	**35.6**	**22.8**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P107**
		Dilution Factor: 1		Analysis Time..: 17:46		
Selenium	ND	0.57	mg/kg	SW846 6010A	05/21-06/08/98	CGX2P10T
		Dilution Factor: 1		Analysis Time..: 18:04		
Beryllium	ND	0.57	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P108
		Dilution Factor: 1		Analysis Time..: 17:46		
Thallium	ND	1.1	mg/kg	SW846 6010A	05/21-06/08/98	CGX2P10U
		Dilution Factor: 1		Analysis Time..: 18:04		
Cadmium	ND	0.57	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P109
		Dilution Factor: 1		Analysis Time..: 17:46		
Calcium	**27300**	**571**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P10A**
		Dilution Factor: 1		Analysis Time..: 17:46		
Chromium	**9.2**	**1.1**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P10C**
		Dilution Factor: 1		Analysis Time..: 17:46		
Cobalt	**12.8**	**5.7**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P10D**
		Dilution Factor: 1		Analysis Time..: 17:46		
Copper	**18.6**	**2.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P10E**
		Dilution Factor: 1		Analysis Time..: 17:46		
Iron	**15000**	**11.4**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGX2P10F**
		Dilution Factor: 1		Analysis Time..: 17:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

TOTAL Metals

Lot-Sample #...: H8E050132-013 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	5680	571	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10G
		Dilution Factor: 1		Analysis Time..: 17:46		
Manganese	277	1.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10H
		Dilution Factor: 1		Analysis Time..: 17:46		
Nickel	23.6	4.6	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10J
		Dilution Factor: 1		Analysis Time..: 17:46		
Potassium	917	571	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10K
		Dilution Factor: 1		Analysis Time..: 17:46		
Silver	ND	1.1	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10L
		Dilution Factor: 1		Analysis Time..: 17:46		
Sodium	ND	571	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10M
		Dilution Factor: 1		Analysis Time..: 17:46		
Vanadium	15.3	5.7	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10N
		Dilution Factor: 1		Analysis Time..: 17:46		
Zinc	45.8	2.3	mg/kg	SW846 6010A	05/21-06/05/98	CGX2P10P
		Dilution Factor: 1		Analysis Time..: 17:46		
Prep Batch #...: 8140183						
Mercury	ND	0.038	mg/kg	SW846 7471A	05/21-05/22/98	CGX2P10V
		Dilution Factor: 1		Analysis Time..: 06:18		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

TOTAL Metals

Lot-Sample #...: H8E050132-014 Matrix.....: WATER
Date Sampled...: 05/03/98 Date Received..: 05/05/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q103
		Dilution Factor: 1		Analysis Time..: 18:40		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGX2Q10N
		Dilution Factor: 1		Analysis Time..: 19:45		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGX2Q10P
		Dilution Factor: 1		Analysis Time..: 19:45		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q104
		Dilution Factor: 1		Analysis Time..: 18:40		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q105
		Dilution Factor: 1		Analysis Time..: 18:40		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGX2Q10Q
		Dilution Factor: 1		Analysis Time..: 19:45		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q106
		Dilution Factor: 1		Analysis Time..: 18:40		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGX2Q10R
		Dilution Factor: 1		Analysis Time..: 19:45		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q107
		Dilution Factor: 1		Analysis Time..: 18:40		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q108
		Dilution Factor: 1		Analysis Time..: 18:40		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q109
		Dilution Factor: 1		Analysis Time..: 18:40		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10A
		Dilution Factor: 1		Analysis Time..: 18:40		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10C
		Dilution Factor: 1		Analysis Time..: 18:40		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10D
		Dilution Factor: 1		Analysis Time..: 18:40		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 7001

TOTAL Metals

Lot-Sample #...: H8E050132-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10E
		Dilution Factor: 1		Analysis Time..: 18:40		
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10F
		Dilution Factor: 1		Analysis Time..: 18:40		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10G
		Dilution Factor: 1		Analysis Time..: 18:40		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10H
		Dilution Factor: 1		Analysis Time..: 18:40		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10J
		Dilution Factor: 1		Analysis Time..: 18:40		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10K
		Dilution Factor: 1		Analysis Time..: 18:40		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10L
		Dilution Factor: 1		Analysis Time..: 18:40		
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CGX2Q10M
		Dilution Factor: 1		Analysis Time..: 18:40		
Prep Batch #...: 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGX2Q10T
		Dilution Factor: 1		Analysis Time..: 09:52		

IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

TOTAL Metals

Lot-Sample #...: H8E050156-001 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	5660	24.9	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF105
		Dilution Factor: 1		Analysis Time..: 17:51		
Arsenic	3.8	1.2	mg/kg	SW846 6010A	05/21-06/09/98	CGXAF10Q
		Dilution Factor: 1		Analysis Time..: 18:14		
Lead	16.5	0.37	mg/kg	SW846 6010A	05/21-06/09/98	CGXAF10R
		Dilution Factor: 1		Analysis Time..: 18:14		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF106
		Dilution Factor: 1		Analysis Time..: 17:51		
Barium	40.8	24.9	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF107
		Dilution Factor: 1		Analysis Time..: 17:51		
Selenium	ND	0.62	mg/kg	SW846 6010A	05/21-06/09/98	CGXAF10T
		Dilution Factor: 1		Analysis Time..: 18:14		
Beryllium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF108
		Dilution Factor: 1		Analysis Time..: 17:51		
Thallium	ND	1.2	mg/kg	SW846 6010A	05/21-06/09/98	CGXAF10U
		Dilution Factor: 1		Analysis Time..: 18:14		
Cadmium	ND	0.62	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF109
		Dilution Factor: 1		Analysis Time..: 17:51		
Calcium	2540	623	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10A
		Dilution Factor: 1		Analysis Time..: 17:51		
Chromium	11.1	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10C
		Dilution Factor: 1		Analysis Time..: 17:51		
Cobalt	8.6	6.2	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10D
		Dilution Factor: 1		Analysis Time..: 17:51		
Copper	9.7	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10E
		Dilution Factor: 1		Analysis Time..: 17:51		
Iron	11000	12.5	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10F
		Dilution Factor: 1		Analysis Time..: 17:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6970

TOTAL Metals

Lot-Sample #...: H8E050156-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**1340**	**623**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAF10G**
		Dilution Factor: 1		Analysis Time..: 17:51		
Manganese	**226**	**1.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAF10H**
		Dilution Factor: 1		Analysis Time..: 17:51		
Nickel	**10.3**	**5.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAF10J**
		Dilution Factor: 1		Analysis Time..: 17:51		
Potassium	ND	623	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10K
		Dilution Factor: 1		Analysis Time..: 17:51		
Silver	ND	1.2	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10L
		Dilution Factor: 1		Analysis Time..: 17:51		
Sodium	ND	623	mg/kg	SW846 6010A	05/21-06/05/98	CGXAF10M
		Dilution Factor: 1		Analysis Time..: 17:51		
Vanadium	**16.6**	**6.2**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAF10N**
		Dilution Factor: 1		Analysis Time..: 17:51		
Zinc	**128**	**2.5**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAF10P**
		Dilution Factor: 1		Analysis Time..: 17:51		

Prep Batch #...: 8140183

Mercury	ND	0.041	mg/kg	SW846 7471A	05/21-05/22/98	CGXAF10V
		Dilution Factor: 1		Analysis Time..: 06:21		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

TOTAL Metals

Lot-Sample #...: H8E050156-002 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	6000	25.1	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH105
		Dilution Factor: 1		Analysis Time..: 17:56		
Arsenic	3.6	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGXAH10Q
		Dilution Factor: 1		Analysis Time..: 18:15		
Lead	16.7	0.38	mg/kg	SW846 6010A	05/21-06/08/98	CGXAH10R
		Dilution Factor: 1		Analysis Time..: 18:15		
Antimony	ND	7.5	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH106
		Dilution Factor: 1		Analysis Time..: 17:56		
Barium	39.4	25.1	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH107
		Dilution Factor: 1		Analysis Time..: 17:56		
Selenium	0.64	0.63	mg/kg	SW846 6010A	05/21-06/08/98	CGXAH10T
		Dilution Factor: 1		Analysis Time..: 18:15		
Beryllium	ND	0.63	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH108
		Dilution Factor: 1		Analysis Time..: 17:56		
Thallium	ND	1.3	mg/kg	SW846 6010A	05/21-06/08/98	CGXAH10U
		Dilution Factor: 1		Analysis Time..: 18:15		
Cadmium	ND	0.63	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH109
		Dilution Factor: 1		Analysis Time..: 17:56		
Calcium	2410	627	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10A
		Dilution Factor: 1		Analysis Time..: 17:56		
Chromium	11.2	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10C
		Dilution Factor: 1		Analysis Time..: 17:56		
Cobalt	8.5	6.3	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10D
		Dilution Factor: 1		Analysis Time..: 17:56		
Copper	9.3	3.1	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10E
		Dilution Factor: 1		Analysis Time..: 17:56		
Iron	10900	12.5	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10F
		Dilution Factor: 1		Analysis Time..: 17:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6971

TOTAL Metals

Lot-Sample #...: H8E050156-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**1350**	**627**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAH10G**
		Dilution Factor: 1		Analysis Time..: 17:56		
Manganese	**230**	**1.9**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAH10H**
		Dilution Factor: 1		Analysis Time..: 17:56		
Nickel	**10.0**	**5.0**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAH10J**
		Dilution Factor: 1		Analysis Time..: 17:56		
Potassium	ND	627	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10K
		Dilution Factor: 1		Analysis Time..: 17:56		
Silver	ND	1.3	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10L
		Dilution Factor: 1		Analysis Time..: 17:56		
Sodium	ND	627	mg/kg	SW846 6010A	05/21-06/05/98	CGXAH10M
		Dilution Factor: 1		Analysis Time..: 17:56		
Vanadium	**17.2**	**6.3**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAH10N**
		Dilution Factor: 1		Analysis Time..: 17:56		
Zinc	**132**	**2.5**	**mg/kg**	**SW846 6010A**	**05/21-06/05/98**	**CGXAH10P**
		Dilution Factor: 1		Analysis Time..: 17:56		
Prep Batch #...: 8140183						
Mercury	ND	0.041	mg/kg	SW846 7471A	05/21-05/22/98	CGXAH10V
		Dilution Factor: 1		Analysis Time..: 06:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

TOTAL Metals

Lot-Sample #...: H8E050156-003 Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 27

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8140176						
Aluminum	8210	27.4	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10C
		Dilution Factor: 1		Analysis Time..: 18:01		
Arsenic	5.1	1.4	mg/kg	SW846 6010A	05/21-06/08/98	CGXAJ125
		Dilution Factor: 1		Analysis Time..: 18:21		
Lead	33.6	0.41	mg/kg	SW846 6010A	05/21-06/08/98	CGXAJ128
		Dilution Factor: 1		Analysis Time..: 18:21		
Antimony	ND	8.2	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10F
		Dilution Factor: 1		Analysis Time..: 18:01		
Barium	49.5	27.4	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10J
		Dilution Factor: 1		Analysis Time..: 18:01		
Selenium	ND	0.69	mg/kg	SW846 6010A	05/21-06/08/98	CGXAJ12C
		Dilution Factor: 1		Analysis Time..: 18:21		
Beryllium	ND	0.69	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10M
		Dilution Factor: 1		Analysis Time..: 18:01		
Thallium	ND	1.4	mg/kg	SW846 6010A	05/21-06/08/98	CGXAJ12F
		Dilution Factor: 1		Analysis Time..: 18:21		
Cadmium	ND	0.69	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10Q
		Dilution Factor: 1		Analysis Time..: 18:01		
Calcium	6540	686	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10U
		Dilution Factor: 1		Analysis Time..: 18:01		
Chromium	14.4	1.4	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ10X
		Dilution Factor: 1		Analysis Time..: 18:01		
Cobalt	11.4	6.9	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ112
		Dilution Factor: 1		Analysis Time..: 18:01		
Copper	13.4	3.4	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ115
		Dilution Factor: 1		Analysis Time..: 18:01		
Iron	14400	13.7	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ118
		Dilution Factor: 1		Analysis Time..: 18:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6980

TOTAL Metals

Lot-Sample #...: H8E050156-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	2330	686	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11C
		Dilution Factor: 1		Analysis Time..: 18:01		
Manganese	312	2.1	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11F
		Dilution Factor: 1		Analysis Time..: 18:01		
Nickel	15.3	5.5	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11J
		Dilution Factor: 1		Analysis Time..: 18:01		
Potassium	1160	686	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11M
		Dilution Factor: 1		Analysis Time..: 18:01		
Silver	ND	1.4	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11Q
		Dilution Factor: 1		Analysis Time..: 18:01		
Sodium	ND	686	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11U
		Dilution Factor: 1		Analysis Time..: 18:01		
Vanadium	23.1	6.9	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ11X
		Dilution Factor: 1		Analysis Time..: 18:01		
Zinc	238	2.7	mg/kg	SW846 6010A	05/21-06/05/98	CGXAJ122
		Dilution Factor: 1		Analysis Time..: 18:01		
Prep Batch #...: 8140183						
Mercury	0.045	0.045	mg/kg	SW846 7471A	05/21-05/22/98	CGXAJ12J
		Dilution Factor: 1		Analysis Time..: 06:30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

TOTAL Metals

Lot-Sample #...: H8E050156-004 Matrix.....: WATER
Date Sampled...: 05/03/98 Date Received..: 05/05/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGXAL103
		Dilution Factor: 1		Analysis Time..: 18:45		
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGXAL10N
		Dilution Factor: 1		Analysis Time..: 20:02		
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CGXAL10P
		Dilution Factor: 1		Analysis Time..: 20:02		
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL104
		Dilution Factor: 1		Analysis Time..: 18:45		
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CGXAL105
		Dilution Factor: 1		Analysis Time..: 18:45		
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CGXAL10Q
		Dilution Factor: 1		Analysis Time..: 20:02		
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL106
		Dilution Factor: 1		Analysis Time..: 18:45		
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CGXAL10R
		Dilution Factor: 1		Analysis Time..: 20:02		
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL107
		Dilution Factor: 1		Analysis Time..: 18:45		
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGXAL108
		Dilution Factor: 1		Analysis Time..: 18:45		
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL109
		Dilution Factor: 1		Analysis Time..: 18:45		
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10A
		Dilution Factor: 1		Analysis Time..: 18:45		
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10C
		Dilution Factor: 1		Analysis Time..: 18:45		
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10D
		Dilution Factor: 1		Analysis Time..: 18:45		

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IT CORPORATION - KNOXVILLE

Client Sample ID: 6981

TOTAL Metals

Lot-Sample #...: H8E050156-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10E
		Dilution Factor: 1		Analysis Time..: 18:45		
Manganese	**16.3**	**15.0**	**ug/L**	**SW846 6010A**	**05/15-05/22/98**	**CGXAL10F**
		Dilution Factor: 1		Analysis Time..: 18:45		
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10G
		Dilution Factor: 1		Analysis Time..: 18:45		
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10H
		Dilution Factor: 1		Analysis Time..: 18:45		
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10J
		Dilution Factor: 1		Analysis Time..: 18:45		
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10K
		Dilution Factor: 1		Analysis Time..: 18:45		
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CGXAL10L
		Dilution Factor: 1		Analysis Time..: 18:45		
Zinc	**20.2**	**20.0**	**ug/L**	**SW846 6010A**	**05/15-05/22/98**	**CGXAL10M**
		Dilution Factor: 1		Analysis Time..: 18:45		

Prep Batch #...: 8138109

Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CGXAL10T
		Dilution Factor: 1		Analysis Time..: 09:54		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E200000-176 **Prep Batch #...:** 8140176						
Aluminum	ND	20.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810L
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Arsenic	ND	1.0	mg/kg	SW846 6010A	05/21-06/09/98	CHA4810G
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Antimony	ND	6.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810M
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Lead	ND	0.30	mg/kg	SW846 6010A	05/21-06/09/98	CHA4810H
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Barium	ND	20.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810N
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Selenium	ND	0.50	mg/kg	SW846 6010A	05/21-06/09/98	CHA4810J
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Beryllium	ND	0.50	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810P
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Thallium	ND	1.0	mg/kg	SW846 6010A	05/21-06/09/98	CHA4810K
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Cadmium	ND	0.50	mg/kg	SW846 6010A	05/21-06/05/98	CHA48101
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Calcium	ND	500	mg/kg	SW846 6010A	05/21-06/05/98	CHA48102
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Chromium	ND	1.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA48103
		Dilution Factor: 1				
		Analysis Time..: 12:10				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	5.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA48104
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Copper	ND	2.5	mg/kg	SW846 6010A	05/21-06/05/98	CHA48105
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Iron	ND	10.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA48106
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Magnesium	ND	500	mg/kg	SW846 6010A	05/21-06/05/98	CHA48107
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Manganese	ND	1.5	mg/kg	SW846 6010A	05/21-06/05/98	CHA48108
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Nickel	ND	4.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA48109
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Potassium	ND	500	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810A
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Silver	ND	1.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810C
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Sodium	ND	500	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810D
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Vanadium	ND	5.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810E
		Dilution Factor: 1				
		Analysis Time..: 12:10				
Zinc	ND	2.0	mg/kg	SW846 6010A	05/21-06/05/98	CHA4810F
		Dilution Factor: 1				
		Analysis Time..: 12:10				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E200000-183 **Prep Batch #...:** 8140183						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/21/98	CHA6T101
		Dilution Factor: 1				
		Analysis Time..: 15:50				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E150000-135 Prep Batch #...: 8135135						
Aluminum	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210H
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Arsenic	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210D
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Antimony	ND	60.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210J
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Lead	ND	3.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210E
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Barium	ND	200	ug/L	SW846 6010A	05/15-05/22/98	CH6H210K
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Selenium	ND	5.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210F
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Beryllium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210L
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Thallium	ND	10.0	ug/L	SW846 6010A	05/15-05/23/98	CH6H210G
		Dilution Factor: 1				
		Analysis Time..: 18:55				
Cadmium	ND	5.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210M
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Calcium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H210N
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Chromium	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210P
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2101
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Copper	ND	25.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2102
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Iron	ND	100	ug/L	SW846 6010A	05/15-05/22/98	CH6H2103
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Magnesium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2104
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Manganese	ND	15.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2105
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Nickel	ND	40.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2106
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Potassium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2107
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Silver	ND	10.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H2108
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Sodium	ND	5000	ug/L	SW846 6010A	05/15-05/22/98	CH6H2109
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Vanadium	ND	50.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210A
		Dilution Factor: 1				
		Analysis Time..: 17:16				
Zinc	ND	20.0	ug/L	SW846 6010A	05/15-05/22/98	CH6H210C
		Dilution Factor: 1				
		Analysis Time..: 17:16				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H8E180000-109 **Prep Batch #...:** 8138109						
Mercury	ND	0.20	ug/L	SW846 7470A	05/18-05/19/98	CH8AX101
		Dilution Factor: 1				
		Analysis Time..: 09:38				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E050156-003 **Prep Batch #...:** 8140176							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10E
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Arsenic	82	(80 - 120)			SW846 6010A	05/21-06/08/98	CGXAJ126
	79 N	(80 - 120)	4.3	(0-20)	SW846 6010A	05/21-06/08/98	CGXAJ127
		Dilution Factor: 1					
		Analysis Time..: 18:45					
Antimony	63 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10G
	61 N	(80 - 120)	1.9	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10H
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Lead	79 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGXAJ129
	75 N	(80 - 120)	3.1	(0-20)	SW846 6010A	05/21-06/08/98	CGXAJ12A
		Dilution Factor: 1					
		Analysis Time..: 18:45					
Barium	97	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10K
	90	(80 - 120)	6.3	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10L
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Selenium	81	(80 - 120)			SW846 6010A	05/21-06/08/98	CGXAJ12D
	78 N	(80 - 120)	3.2	(0-20)	SW846 6010A	05/21-06/08/98	CGXAJ12E
		Dilution Factor: 1					
		Analysis Time..: 18:45					
Beryllium	114	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10N
	109	(80 - 120)	3.8	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10P
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Thallium	79 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGXAJ12G
	76 N	(80 - 120)	3.3	(0-20)	SW846 6010A	05/21-06/08/98	CGXAJ12H
		Dilution Factor: 1					
		Analysis Time..: 18:45					
Cadmium	102	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10R
	105	(80 - 120)	2.6	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10T
		Dilution Factor: 1					
		Analysis Time..: 18:06					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	92	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ10V
	87	(80 - 120)	2.8	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ10W
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Chromium	117	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ110
	112	(80 - 120)	3.0	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ111
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Cobalt	99	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ113
	95	(80 - 120)	3.6	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ114
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Copper	91	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ116
	99	(80 - 120)	5.8	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ117
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ119
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11A
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Magnesium	106	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11D
	101	(80 - 120)	3.5	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11E
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Manganese	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11H
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Nickel	101	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11K
	96	(80 - 120)	4.3	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11L
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Potassium	116	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11N
	108	(80 - 120)	5.8	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11P
		Dilution Factor: 1					
		Analysis Time..: 18:06					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	93	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11R
	92	(80 - 120)	1.5	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11T
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Sodium	97	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ11V
	92	(80 - 120)	5.3	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ11W
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Vanadium	114	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ120
	107	(80 - 120)	4.4	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ121
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Zinc	61 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGXAJ123
	55 N	(80 - 120)	1.5	(0-20)	SW846 6010A	05/21-06/05/98	CGXAJ124
		Dilution Factor: 1					
		Analysis Time..: 18:06					

MS Lot-Sample #: H8E050156-003 **Prep Batch #...:** 8140183

Mercury	92	(55 - 130)			SW846 7471A	05/21-05/22/98	CGXAJ12K
	90	(55 - 130)	1.8	(0-20)	SW846 7471A	05/21-05/22/98	CGXAJ12L
		Dilution Factor: 1					
		Analysis Time..: 06:32					

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.

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

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H8E050132-004 **Prep Batch #...:** 8140176							
Aluminum	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V10G
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/05/98	CGX1V10H
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Arsenic	80	(80 - 120)			SW846 6010A	05/21-06/08/98	CGX1V129
	82	(80 - 120)	2.7	(0-20)	SW846 6010A	05/21-06/08/98	CGX1V12A
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Antimony	40 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V10K
	47 N	(80 - 120)	13	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V10L
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Lead	84	(80 - 120)			SW846 6010A	05/21-06/08/98	CGX1V12D
	86	(80 - 120)	2.4	(0-20)	SW846 6010A	05/21-06/08/98	CGX1V12E
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Barium	112	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V10N
	105	(80 - 120)	5.3	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V10P
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Selenium	79 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGX1V12G
	82	(80 - 120)	3.7	(0-20)	SW846 6010A	05/21-06/08/98	CGX1V12H
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Beryllium	112	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V10R
	112	(80 - 120)	0.34	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V10T
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Thallium	77 N	(80 - 120)			SW846 6010A	05/21-06/08/98	CGX1V12K
	81	(80 - 120)	4.8	(0-20)	SW846 6010A	05/21-06/08/98	CGX1V12L
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Cadmium	111	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V10V
	105	(80 - 120)	5.1	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V10W
		Dilution Factor: 1					
		Analysis Time..: 16:47					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	106	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V110
	109	(80 - 120)	1.3	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V111
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Chromium	139 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V113
	141 N	(80 - 120)	0.99	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V114
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Cobalt	111	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V116
	104	(80 - 120)	6.0	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V117
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Copper	108	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V119
	101	(80 - 120)	4.1	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11A
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Iron	NC,MSB	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11D
	NC,MSB	(80 - 120)		(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11E
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Magnesium	115	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11G
	118	(80 - 120)	1.9	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11H
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Manganese	548 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11K
	153 N,*	(80 - 120)	76	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11L
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Nickel	113	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11N
	108	(80 - 120)	3.2	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11P
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Potassium	134 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11R
	137 N	(80 - 120)	2.0	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11T
		Dilution Factor: 1					
		Analysis Time..: 16:47					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	91	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V11V
	94	(80 - 120)	2.7	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V11W
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Sodium	98	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V120
	101	(80 - 120)	2.9	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V121
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Vanadium	138 N	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V123
	133 N	(80 - 120)	2.7	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V124
		Dilution Factor: 1					
		Analysis Time..: 16:47					
Zinc	110	(80 - 120)			SW846 6010A	05/21-06/05/98	CGX1V126
	103	(80 - 120)	3.6	(0-20)	SW846 6010A	05/21-06/05/98	CGX1V127
		Dilution Factor: 1					
		Analysis Time..: 16:47					

MS Lot-Sample #: H8E050132-004 **Prep Batch #...:** 8140183

Mercury	97	(55 - 130)			SW846 7471A	05/21/98	CGX1V12N
	99	(55 - 130)	1.8	(0-20)	SW846 7471A	05/21/98	CGX1V12P
		Dilution Factor: 1					
		Analysis Time..: 16:05					

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.

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.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E200000-176 **Prep Batch #...:** 8140176					
Cadmium	101	(80 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810Q
Calcium	102	(84 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810R
Chromium	104	(87 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810T
Cobalt	99	(87 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810U
Copper	99	(86 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810V
Iron	97	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810W
Magnesium	103	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4810X
Thallium	82 N	(83 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 18:03	05/21-06/09/98	CHA4811A
Aluminum	107	(89 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4811C
Antimony	103	(86 - 119)	SW846 6010A Dilution Factor: 1 Analysis Time..: 12:15	05/21-06/05/98	CHA4811D

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	97	(88 - 110)	SW846 6010A	05/21-06/05/98	CHA4811E
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Beryllium	105	(80 - 118)	SW846 6010A	05/21-06/05/98	CHA4811F
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Manganese	99	(89 - 112)	SW846 6010A	05/21-06/05/98	CHA48110
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Nickel	103	(88 - 115)	SW846 6010A	05/21-06/05/98	CHA48111
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Potassium	105	(83 - 113)	SW846 6010A	05/21-06/05/98	CHA48112
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Silver	95	(80 - 117)	SW846 6010A	05/21-06/05/98	CHA48113
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Sodium	106	(85 - 115)	SW846 6010A	05/21-06/05/98	CHA48114
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Vanadium	99	(89 - 113)	SW846 6010A	05/21-06/05/98	CHA48115
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Zinc	107	(89 - 118)	SW846 6010A	05/21-06/05/98	CHA48116
		Dilution Factor: 1			
		Analysis Time..: 12:15			
Arsenic	86	(83 - 110)	SW846 6010A	05/21-06/09/98	CHA48117
		Dilution Factor: 1			
		Analysis Time..: 18:03			
Lead	88	(84 - 110)	SW846 6010A	05/21-06/09/98	CHA48118
		Dilution Factor: 1			
		Analysis Time..: 18:03			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	84	(80 - 110)	SW846 6010A	05/21-06/09/98	CHA48119
		Dilution Factor: 1			
		Analysis Time..: 18:03			

LCS Lot-Sample#: H8E200000-183 **Prep Batch #...:** 8140183

Mercury	100	(80 - 120)	SW846 7471A	05/21/98	CHA6T102
		Dilution Factor: 1			
		Analysis Time..: 15:53			

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 #...: PB022 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H8E150000-135 **Prep Batch #...:** 8135135					
Cobalt	101	(83 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210Q
Copper	96	(82 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210R
Iron	94	(87 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210T
Magnesium	107	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210U
Manganese	102	(86 - 116)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210V
Nickel	104	(83 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210W
Potassium	106	(81 - 115)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H210X
Barium	99	(82 - 112)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211A
Beryllium	108	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211C
Cadmium	112	(81 - 118)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211D

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	104	(82 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211E
Chromium	106	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H211F
Silver	103	(80 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2110
Sodium	103	(82 - 114)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2111
Vanadium	102	(88 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2112
Zinc	107	(85 - 120)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2113
Arsenic	94	(82 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2114
Lead	93	(81 - 111)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2115
Selenium	97	(81 - 113)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2116
Thallium	87	(80 - 110)	SW846 6010A Dilution Factor: 1 Analysis Time..: 19:01	05/15-05/23/98	CH6H2117
Aluminum	103	(83 - 117)	SW846 6010A Dilution Factor: 1 Analysis Time..: 17:21	05/15-05/22/98	CH6H2118

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: PB022 **Matrix.....:** WATER

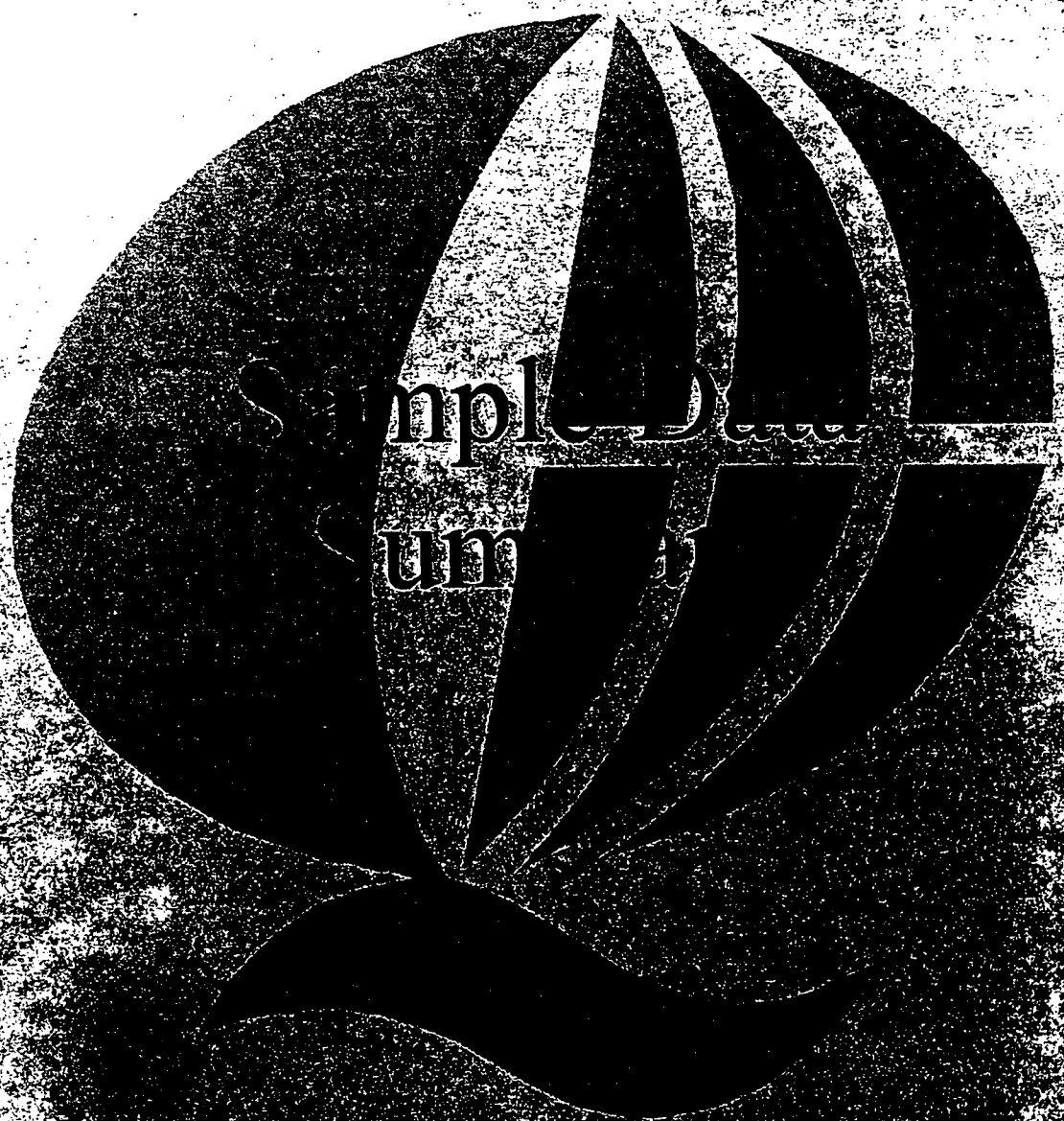
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	102	(87 - 120)	SW846 6010A	05/15-05/22/98	CH6H2119
		Dilution Factor: 1			
		Analysis Time..: 17:21			

LCS Lot-Sample#: H8E180000-109 **Prep Batch #...:** 8138109

Mercury	106	(80 - 120)	SW846 7470A	05/18-05/19/98	CH8AX102
		Dilution Factor: 1			
		Analysis Time..: 09:40			

NOTE(S):

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



IT CORPORATION - KNOXVILLE

Client Sample ID: 6990

General Chemistry

Lot-Sample #...: H8E050132-001 **Work Order #...:** CGX16 **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**6.6**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**18.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 6991

General Chemistry

Lot-Sample #...: H8E050132-002 Work Order #...: CGX1L Matrix.....: SOLID
Date Sampled...: 05/03/98 Date Received..: 05/05/98
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.0	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	6.3	mg/kg	SW846 9056	05/06-05/07/98	81282
		Dilution Factor: 1				
Percent Moisture	20.7	0.10	%	MCAWW 160.3 MOD	05/22-05/25/98	8145125
		Dilution Factor: 1				
Sulfate	ND	12.6	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7000

General Chemistry

Lot-Sample #...: H8E050132-003 **Work Order #...:** CGX1Q **Matrix.....:** SOLID
Date Sampled...: 05/03/98 **Date Received..:** 05/05/98
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.2**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	5.7	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**11.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	**303**	**22.6**	**mg/kg**	**SW846 9056**	**05/08/98**	**8128220**
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7010

General Chemistry

Lot-Sample #...: H8E050132-004 Work Order #...: CGX1V Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.1	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	18.8	0.10	%	MCAWW 160.3 MOD	05/22-05/25/98	8145125
		Dilution Factor: 1				
Sulfate	20.8	12.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7020

General Chemistry

Lot-Sample #...: H8E050132-005 **Work Order #...:** CGX22 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.3**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**18.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7030

General Chemistry

Lot-Sample #...: H8E050132-006 **Work Order #...:** CGX24 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.8**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**18.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7040

General Chemistry

Lot-Sample #...: H8E050132-007 **Work Order #...:** CGX27 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**5.6**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**16.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7050

General Chemistry

Lot-Sample #...: H8E050132-008 **Work Order #...:** CGX28 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**4.7**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.1	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**17.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	**12.6**	**12.2**	**mg/kg**	**SW846 9056**	**05/06-05/07/98**	**8128219**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7060

General Chemistry

Lot-Sample #...: H8E050132-009 Work Order #...: CGX2A Matrix.....: SOLID
Date Sampled...: 05/02/98 Date Received..: 05/05/98
% Moisture.....: 25

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	7.1	0.10	No Units	SW846 9045A	05/06/98	8128159
		Dilution Factor: 1				
Nitrate as N	ND	6.6	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	24.6	0.10	%	MCAWW 160.3 MOD	05/22-05/25/98	8145125
		Dilution Factor: 1				
Sulfate	64.9	13.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7070

General Chemistry

Lot-Sample #...: H8E050132-010 **Work Order #...:** CGX2D **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.0**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**16.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.0	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7080

General Chemistry

Lot-Sample #...: H8E050132-011 **Work Order #...:** CGX2E **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**6.8**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	6.2	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**19.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	12.3	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7090

General Chemistry

Lot-Sample #...: H8E050132-012 **Work Order #...:** CGX2H **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.1**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	5.8	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**13.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	ND	11.6	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

IT CORPORATION - KNOXVILLE

Client Sample ID: 7100

General Chemistry

Lot-Sample #...: H8E050132-013 **Work Order #...:** CGX2P **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**7.1**	**0.10**	**No Units**	**SW846 9045A**	**05/06/98**	**8128159**
		Dilution Factor: 1				
Nitrate as N	ND	5.7	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Percent Moisture	**12.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**05/22-05/25/98**	**8145125**
		Dilution Factor: 1				
Sulfate	**33.1**	**11.4**	**mg/kg**	**SW846 9056**	**05/08/98**	**8128220**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H8E050132 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH23F101		MB Lot-Sample #:	B8E080000-218	
	ND	5.0	mg/kg	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1				
Sulfate		Work Order #: CH23W101		MB Lot-Sample #:	B8E080000-219	
	ND	10.0	mg/kg	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1				
Sulfate		Work Order #: CH244101		MB Lot-Sample #:	B8E080000-220	
	ND	10.0	mg/kg	SW846 9056	05/08/98	8128220
		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 #...: H8E050132 **Matrix.....:** SOLID
Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		WO#: CGX1V12V-MS/CGX1V12W-MSD				MS Lot-Sample #: H8E050132-004	
	103	(80 - 120)			SW846 9056	05/06-05/07/98	8128218
	102	(80 - 120)	0.92	(0-20)	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1					
Sulfate		WO#: CGX1V130-MS/CGX1V131-MSD				MS Lot-Sample #: H8E050132-004	
	74 N,MSC	(80 - 120)			SW846 9056	05/06-05/07/98	8128219
	74 N,MSC	(80 - 120)	0.31	(0-20)	SW846 9056	05/06-05/07/98	8128219
		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.

Results and reporting limits have been adjusted for dry weight.

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 #...: H8E050132 **Work Order #...:** CGX1V-SMP CGX1V-DUP **Matrix.....:** SOLID

Date Sampled...: 05/02/98 **Date Received..:** 05/05/98

% Moisture.....: 19

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	H8E050132-004	
	7.1	7.8	No Units	9.0	(0-20)	SW846 9045A	05/06/98	8128159

Dilution Factor: 1

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: H8E050132 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		WO#:CH1P9101-LCS/CH1P9102-LCSD				LCS Lot-Sample#: B8E080000-159	
	99	(99 - 101)			SW846 9045A	05/06/98	8128159
	100	(99 - 101)	0.47	(0-20)	SW846 9045A	05/06/98	8128159

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 #...: H8E050132 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #: CH23F102		LCS Lot-Sample#: B8E080000-218	
	92	(89 - 110)	SW846 9056	05/06-05/07/98	8128218
		Dilution Factor: 1			
Sulfate		Work Order #: CH23W102		LCS Lot-Sample#: B8E080000-219	
	95	(80 - 120)	SW846 9056	05/06-05/07/98	8128219
		Dilution Factor: 1			
Sulfate		Work Order #: CH244102		LCS Lot-Sample#: B8E080000-220	
	95	(80 - 120)	SW846 9056	05/08/98	8128220
		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# PB022

*	DATE REC'D	LOT#	CLIENT ID	VOC 8260A	SVOC 8270B	PCB 8081	PH 9045	TOTAL 6010A	ANIONS 9056	EXP 8330
1	5/5/98	H8E050132	6990	X	X	X	T	X	T	X
2			6991	X	X	X	T	X	T	X
3			7000	X	X		T	X	T	X
4			7001	X	X	X		X		X
5			7010	QC	QC	QC	QC/T	QC	QC/T	QC
6			7020	X	X		T	X	T	X
7			7030	X	X	X	T	X	T	X
8			7040	X	X		T	X	T	X
9			7050	X	X	X	T	X	T	X
10			7060	X	X		T	X	T	X
11			7070	X	X	X	T	X	T	X
12			7080	X	X		T	X	T	X
13			7090	X	X	X	T	X	T	X
14			7100	X	X		T	X	T	X
15			9004	X						
16	5/5/98	H8E050156	6970	X	X	X		X		
17			6971	X	X	X		X		
18			6980	QC	QC	QC		QC		
19			6981	X	X	X		X		
20			9006	X						

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

MATRIX: SOIL
ANALYTICAL DUE: 5-28-98
REPORT DUE: 6-2-98
CLOSED?_YES___

6/8/9811:44 AM

QUANTERRA KNOXVILLE LABORATORY
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: I.T. Knox PROJECT: PlumBrook Lot No.: H8E050132

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: 5/5/98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ? Sub Amber → Tonya!	—	—	✓
2. If custody seals were missing/not intact, was client notified?		—	✓

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

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
7001	Pest/PCB	8	*1/vial for PCB's only.
7001	Pest/PCB, EXP	7e	

☐ 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: ~~Listabled~~ labeled for 8330, 8081 in Soils Should be water and should have more sample

Other (8) Listed on COC as Pest/PCBs, client only wants PCBs

QUANTERRA KNOXVILLE LABORATORY

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: I.T. Knx PROJECT: PBOW Lot No.: H8E050132

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: 5/7/98

* add "Run Dup on pH" on comments & label Dup ~~tot~~ for pH! (EMS) BB

QA016R7.doc, 01/29/98

Quote# 23131

H8E050132

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBBCG-050498QES

Project Number: 773206

Samples Shipment Date: 04-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/801624850498

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: 5/4/98 Time: 1700

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

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

1. Received By (Signature/Affiliation) Diane Lange Date: 5/5/98 Time: 9:00

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

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

Comments:

Custody Seals intact
received at 8°C DL 5/5/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6990	PBOW-98-SO-BCG-SB01-6990-(0001)	03-MAY-98	09:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6990	PBOW-98-SO-BCG-SB01-6990-(0001)	03-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6990	PBOW-98-SO-BCG-SB01-6990-(0001)	03-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6990	PBOW-98-SO-BCG-SB01-6990-(0001)	03-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
6990	PBOW-98-SO-BCG-SB01-6990-(0001)	03-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6991	PBOW-98-SO-BCG-SB01-6991-(0001)	03-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		

H8E050132

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBBCG-050498QES

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6991	PBOW-98-SO-BCG-SB01-6991-(0001)	03-MAY-98	09:10	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6991	PBOW-98-SO-BCG-SB01-6991-(0001)	03-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
6991	PBOW-98-SO-BCG-SB01-6991-(0001)	03-MAY-98	09:10	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
6991	PBOW-98-SO-BCG-SB01-6991-(0001)	03-MAY-98	09:10	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7000	PBOW-98-SO-BCG-SB01-7000-(0910)	03-MAY-98	09:45	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7000	PBOW-98-SO-BCG-SB01-7000-(0910)	03-MAY-98	09:45	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7000	PBOW-98-SO-BCG-SB01-7000-(0910)	03-MAY-98	09:45	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7000	PBOW-98-SO-BCG-SB01-7000-(0910)	03-MAY-98	09:45	8 oz CWM	1	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7000	PBOW-98-SO-BCG-SB01-7000-(0910)	03-MAY-98	09:45	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7001	PBOW-98-ER-BLG-7001-(0000)	03-MAY-98	10:15	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
7001	PBOW-98-ER-BLG-7001-(0000)	03-MAY-98	10:15	1 L HDPE	1	HNO3 <PH2	TAL Metals by SW-846 6010A/7470 in water	N		
7001	PBOW-98-ER-BLG-7001-(0000)	03-MAY-98	10:15	1 L Amb. Glass	2	NONE EXCEPT COOL TO	Nitroaromatics by SW-846 8330 in soil, TCL Pesticide/PCBs by SW-846 8081	N		
7001	PBOW-98-ER-BLG-7001-(0000)	03-MAY-98	10:15	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7010	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7010	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7010	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7010	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7010	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7010-MS	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1	None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7010-MS	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1	None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7010-MS	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7010-MS	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7010-MS	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7010-MSD	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7010-MSD	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7010-MSD	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		

H8E050132

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBBCG-050498QES

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
7010-MSD	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7010-MSD	PBOW-98-SO-BCG-SB02-7010-(0001)	02-MAY-98	17:20	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7020	PBOW-98-SO-BCG-SB02-7020-(0910)	02-MAY-98	17:45	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7020	PBOW-98-SO-BCG-SB02-7020-(0910)	02-MAY-98	17:45	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7020	PBOW-98-SO-BCG-SB02-7020-(0910)	02-MAY-98	17:45	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7020	PBOW-98-SO-BCG-SB02-7020-(0910)	02-MAY-98	17:45	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7020	PBOW-98-SO-BCG-SB02-7020-(0910)	02-MAY-98	17:45	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7030	PBOW-98-SO-BCG-SB03-7030-(0001)	02-MAY-98	16:45	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7030	PBOW-98-SO-BCG-SB03-7030-(0001)	02-MAY-98	16:45	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7030	PBOW-98-SO-BCG-SB03-7030-(0001)	02-MAY-98	16:45	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7030	PBOW-98-SO-BCG-SB03-7030-(0001)	02-MAY-98	16:45	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7030	PBOW-98-SO-BCG-SB03-7030-(0001)	02-MAY-98	16:45	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7040	PBOW-98-SO-BCG-SB03-7040-(0910)	02-MAY-98	17:05	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7040	PBOW-98-SO-BCG-SB03-7040-(0910)	02-MAY-98	17:05	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7040	PBOW-98-SO-BCG-SB03-7040-(0910)	02-MAY-98	17:05	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7040	PBOW-98-SO-BCG-SB03-7040-(0910)	02-MAY-98	17:05	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7040	PBOW-98-SO-BCG-SB03-7040-(0910)	02-MAY-98	17:05	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7050	PBOW-98-SO-BCG-SB04-7050-(0001)	02-MAY-98	14:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7050	PBOW-98-SO-BCG-SB04-7050-(0001)	02-MAY-98	14:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7050	PBOW-98-SO-BCG-SB04-7050-(0001)	02-MAY-98	14:55	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7050	PBOW-98-SO-BCG-SB04-7050-(0001)	02-MAY-98	14:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7050	PBOW-98-SO-BCG-SB04-7050-(0001)	02-MAY-98	14:55	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7060	PBOW-98-SO-BCG-SB04-7060-(0910)	02-MAY-98	15:05	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7060	PBOW-98-SO-BCG-SB04-7060-(0910)	02-MAY-98	15:05	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7060	PBOW-98-SO-BCG-SB04-7060-(0910)	02-MAY-98	15:05	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7060	PBOW-98-SO-BCG-SB04-7060-(0910)	02-MAY-98	15:05	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7060	PBOW-98-SO-BCG-SB04-7060-(0910)	02-MAY-98	15:05	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		

H8E050132

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBBCG-050498QES

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
7070	PBOW-98-SO-BCG-SB05-7070-(0001)	02-MAY-98	14:15	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7070	PBOW-98-SO-BCG-SB05-7070-(0001)	02-MAY-98	14:15	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7070	PBOW-98-SO-BCG-SB05-7070-(0001)	02-MAY-98	14:15	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7070	PBOW-98-SO-BCG-SB05-7070-(0001)	02-MAY-98	14:15	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7070	PBOW-98-SO-BCG-SB05-7070-(0001)	02-MAY-98	14:15	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7080	PBOW-98-SO-BCG-SB05-7080-(0910)	02-MAY-98	14:40	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7080	PBOW-98-SO-BCG-SB05-7080-(0910)	02-MAY-98	14:40	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7080	PBOW-98-SO-BCG-SB05-7080-(0910)	02-MAY-98	14:40	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7080	PBOW-98-SO-BCG-SB05-7080-(0910)	02-MAY-98	14:40	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7080	PBOW-98-SO-BCG-SB05-7080-(0910)	02-MAY-98	14:40	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7090	PBOW-98-SO-BCG-SB06-7090-(0001)	02-MAY-98	13:40	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7090	PBOW-98-SO-BCG-SB06-7090-(0001)	02-MAY-98	13:40	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
7090	PBOW-98-SO-BCG-SB06-7090-(0001)	02-MAY-98	13:40	8 oz CWM	1 None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
7090	PBOW-98-SO-BCG-SB06-7090-(0001)	02-MAY-98	13:40	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7090	PBOW-98-SO-BCG-SB06-7090-(0001)	02-MAY-98	13:40	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7100	PBOW-98-SO-BCG-SB06-71000-(0910)	02-MAY-98	13:55	4 oz CWM	2 None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
7100	PBOW-98-SO-BCG-SB06-71000-(0910)	02-MAY-98	13:55	8 oz CWM	1 None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
7100	PBOW-98-SO-BCG-SB06-71000-(0910)	02-MAY-98	13:55	4 oz CWM	1 None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil, pH by SW-846 9045B	N		
7100	PBOW-98-SO-BCG-SB06-71000-(0910)	02-MAY-98	13:55	4 oz CWM	1 None except cool to 4 C	Nitrate by SW0846 9056, Sulfate by SW-846 9056	N		
7100	PBOW-98-SO-BCG-SB06-7100~~0~~W-(0910)	02-MAY-98	13:55	8 oz CWM	1 None except cool to 4 C	Nitroaromatics by SW-846 8330 in soil	N		
9004	PBOW-98-TB-BCG-9004-(0001)	03-MAY-98	10:30	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

Page 1 of ____

CLIENT: I.T. Knx PROJECT: Plum Brook Lot No.: H8F050156

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 K Damron DATE: 5-5-98

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 23131			
b. Informed Login associates of special instructions ?			✓
2. If custody seals were missing/not intact, was client notified?			✓

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

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: I.T. Knx PROJECT: PBOW Lot No.: H8E050156

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: 5/6/98

QA016R7.doc, 01/29/98

H8E050156

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBPSB-050498QESK

Project Number: 773206

Samples Shipment Date: 04-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/801624850498

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: 5/4/98 Time: 1700

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

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

1. Received By (Signature/Affiliation) Diane Lange Date: 5/5/98 Time: 9:00

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
6970	PBOW-98-SO-PSB-SS01-6970-(0001)	03-MAY-98	15:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6970	PBOW-98-SO-PSB-SS01-6970-(0001)	03-MAY-98	15:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6970	PBOW-98-SO-PSB-SS01-6970-(0001)	03-MAY-98	15:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6971	PBOW-98-SO-PSB-SS01-6971-(0001)	03-MAY-98	15:30	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6971	PBOW-98-SO-PSB-SS01-6971-(0001)	03-MAY-98	15:30	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6971	PBOW-98-SO-PSB-SS01-6971-(0001)	03-MAY-98	15:30	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6980	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		

HPE050156

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: PBPSB-050498QESK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
6980	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6980	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6980-MS	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6980-MS	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6980-MS	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6980-MSD	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	2	None except cool to 4 C	TCL Volatiles by SW-846 8260A	N		
6980-MSD	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	8 oz CWM	1	None except cool to 4 C	PCBs by SW8081, TCL Semivolatiles by SW-846 8270B in soil	N		
6980-MSD	PBOW-98-SO-PSB-SS02-6980-(0001)	03-MAY-98	16:00	4 oz CWM	1	None except cool to 4 C	TAL Metals by SW-846 6010A/7471 in soil	N		
6981	PBOW-98-EA-PSB-6981-(0000)	03-MAY-98	16:45	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		
6981	PBOW-98-EA-PSB-6981-(0000)	03-MAY-98	16:45	1 L Amb. Glass	2	None except cool to 4 C	TCL Semivolatiles by SW-846 8270B in soil	N		
6981	PBOW-98-EA-PSB-6981-(0000)	03-MAY-98	16:45	1 L Amb. Glass	2	NONE EXCEPT COOL TO	TCL Pesticide/PCBs by SW-846 8081	N		
6981	PBOW-98-EA-PSB-6981-(0000)	03-MAY-98	16:45	1 L Amb. Glass	1	HNO3 <PH 2	TAL Metals by SW-846 6010A/7470 in water	N		PH<2
9006	PBOW-98-TB-PSB-9006(0000)	03-MAY-98	10:30	40 ml GVIAL,SEP	3	HCl<pH 2	TCL Volatiles by SW-846 8260A	N		